OASIS CAR WASH

Air Compressor Manual

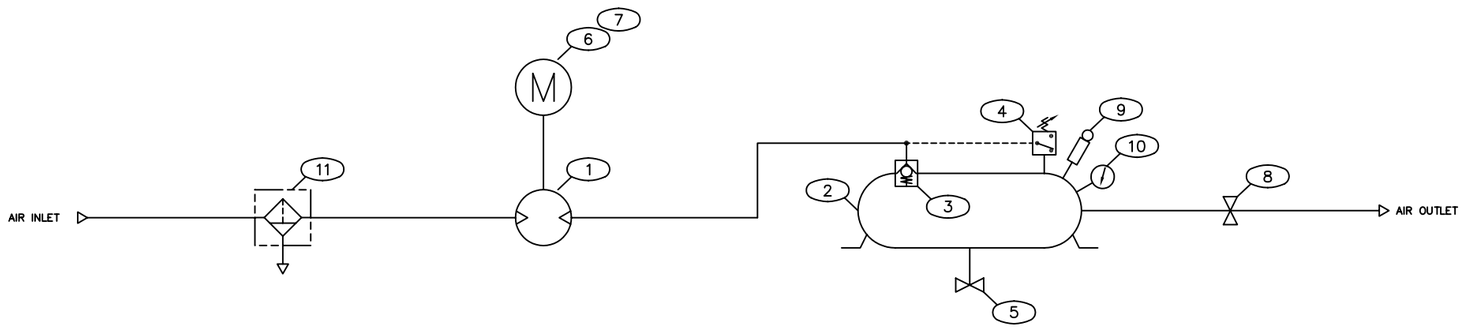
Model #: C-10448

Manufactured by John Henry Foster Co

BILL OF MATERIAL

PROJECT #	DRAWN BY: SBW	REV.	DATE: 2/2/07		
CUSTOMER: OASIS CAR WASH PURCHASE ORDER # –			FOR: WORK ORDER # 8513		

Item #	Quantity	Component	Description
1	1	97334148	I-R SS5 BARE PUMP
2	1	304936	MANCHESTER # 302506 10 GAL. AIR RECEIVER
3	1	KCV234-4-5	1/2" X 3/4" INTANK CHK VALVE KINGSTON VALVE
4	1	56269517	I-R PRESSURE SWITCH
5	1	145	EXTERNAL SEAT BRASS DRAIN COCK 1/4" MALE PIPE THREAD
6	1	G130027	LESSON 5 HP MOTOR
7	1	A60	Browning V-Belt
8	1	S35DX0	RUB 1/2" BALL VALVE
9	1	ST-25-OA-150	SAFETY VALVE - 150 PSI 1/4" NPT
10	1	25-110-160	GAUGE, 160 PSI/KPA, 2.5" DIAL 1/4" NPT BACK MOUNT, ABS CASE
11	1	54406640	IR AIR INTAKE FILTER ASM.

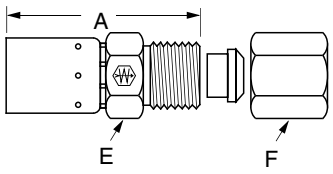


JOHN HENRY FOSTER CO.
ST LOUIS, MO.
PHONE: 314-427-0600
FAX : 314-427-3502

CUSTOMER: OASIS CAR WASH			
PURCHASE ORDER: -	DATE: 2/2/07		
SALESMAN: KEVIN C.	BUILT BY: -		
REFERENCE: JHFM-3377	DRAWN BY: SBW	CHECKED BY: JAS	
DRAWING NO.: C-10448	REVISION	SHEET 1 OF 1	

Use Hose H00905, 06, 08; H209; H243; H265; H275; H285; H435; H436

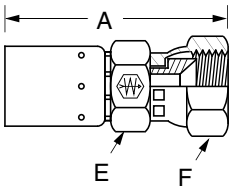
Flareless Tube Rigid
(With Nut and Sleeve)



Hose I.D.	Tube Size	Catalog Number	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex E	Hex F
5/16	3/8	05E-756	9/16-18	1.88	1.00	.22	5/8	11/16
3/8	5/16	06E-755	1/2-20	1.78	.88	.23	9/16	5/8
3/8	3/8	06E-756	9/16-18	1.82	.88	.27	5/8	11/16
1/2	1/2	08E-758	3/4-16	2.08	1.06	.38	13/16	7/8

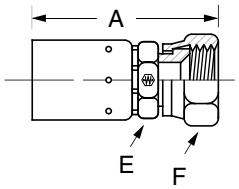
(For replacement Nuts and Sleeves, see page 190).

SAE 37° Female Swivel
(Exceptions Noted, Refer to Footnotes)



Hose I.D.	Tube Size	Catalog Number	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Hex E	Hex F
3/16	1/4	03E-604 [a]	7/16-20	1.89	1.00	.09	7/16	9/16
1/4	1/4	04E-604 [a]	7/16-20	1.92	1.13	.16	7/16	9/16
1/4	5/16	04E-605 [a]	1/2-20	2.00	1.19	.16	1/2	5/8
1/4	3/8	04E-606 [c]	9/16-18	2.06	1.25	.16	9/16	11/16
5/16	5/16	05E-605 [a]	1/2-20	2.07	1.19	.22	1/2	5/8
5/16	3/8	05E-406 [b]	5/8-18	2.03	1.13	.22	9/16	3/4
5/16	3/8	05E-606 [c]	9/16-18	2.12	1.19	.22	9/16	11/16
3/8	3/8	06E-406 [b]	5/8-18	2.06	1.13	.27	9/16	3/4
3/8	3/8	06E-606 [c]	9/16-18	2.19	1.25	.27	9/16	11/16
3/8	1/2	06E-608 [a]	3/4-16	2.30	1.38	.27	3/4	7/8
1/2	1/2	08E-608 [a]	3/4-16	2.39	1.38	.38	3/4	7/8
1/2	5/8	08E-610 [a]	7/8-14	2.51	1.50	.38	7/8	1
3/4	3/4	12E-612 [b]	1-1/16–14	2.70	1.56	.61	1	1-1/4
3/4	3/4	12E-612 [c]	1-1/16–12	2.76	1.56	.61	1	1-1/4
1	1	16E-616 [c]	1-5/16–12	3.05	1.75	.84	1-1/4	1-1/2

British Standard (BSPP) 60° Cone Female Pipe Swivel



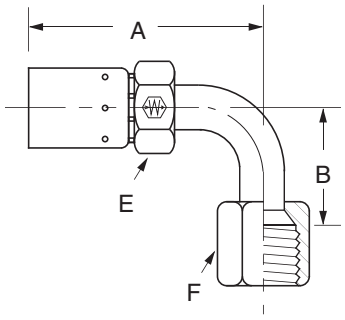
Hose I.D.	BSPP Pipe Size	Catalog Number	Thread Size	A	Hose Cut-Off Factor†	Hole Dia.	Dia. E	Hex F
3/16	1/4	03E-354	G-1/4-19*	2.01	1.19	.16	9/16	11/16
1/4	1/4	04E-354	G-1/4-19*	1.88	1.00	.16	9/16	11/16
3/8	3/8	06E-356	G-3/8-19*	2.09	1.13	.27	3/4	7/8
3/8	1/2	06E-358	G-1/2-14*	2.47	1.50	.27	13/16	1
1/2	1/2	08E-358	G-1/2-14*	2.56	1.50	.39	13/16	1
1/2	5/8	08E-360	G-5/8-14*	2.70	1.63	.39	7/8	1-3/16
3/4	3/4	12E-362	G-3/4-14*	2.94	1.69	.61	1	1-1/4
1	1	16E-366	G-1-11*	3.38	2.00	.84	1-1/4	1-1/2

*G As Part of Thread Size is ISO Designation for Parallel Thread.

†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.
[a] Swivel nuts are universal – both SAE 37° and 45° connections. [b] SAE 45° flare connection only. [c] SAE 37° flare connection only.

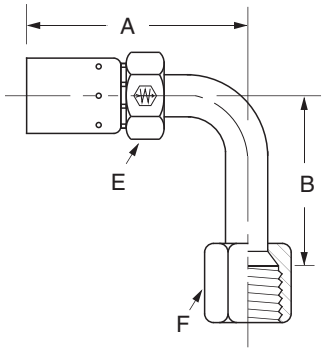
Use Hose H00905, 06, 08; H209; H243; H265; H275; H285; H435; H436

SAE 37° Female Swivel 90° Tube Elbow
(Exceptions Noted, Refer to Footnotes)



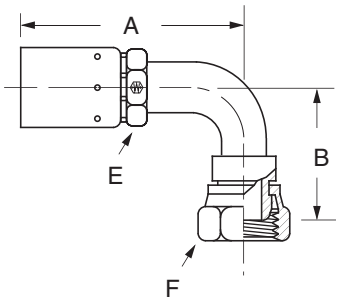
Hose I.D.	Tube Size	Catalog Number	Thread Size	A	B	Hose Cut-Off Factor†	Hole Dia.	Hex E	Hex F
1/4	1/4	04E-664 [a]	7/16-20	2.27	.68	1.44	.15	7/16	9/16
1/4	5/16	04E-665 [a]	1/2-20	2.51	.77	1.63	.16	7/16	5/8
5/16	5/16	05E-665 [a]	1/2-20	2.58	.77	1.63	.21	9/16	5/8
5/16	3/8	05E-666 [c]	9/16-18	2.57	.85	1.62	.22	9/16	11/16
3/8	3/8	06E-466 [b]	5/8-18	2.72	.85	1.75	.24	5/8	3/4
3/8	3/8	06E-666 [c]	9/16-18	2.72	.85	1.75	.24	5/8	11/16
3/8	1/2	06E-668 [a]	3/4-16	2.83	1.09	1.88	.27	5/8	7/8
1/2	1/2	08E-668 [a]	3/4-16	2.82	1.09	1.75	.33	3/4	7/8
1/2	5/8	08E-670 [a]	7/8-14	3.34	1.23	2.31	.39	3/4	1
3/4	3/4	12E-672 [c]	1-1/16–12	3.70	1.82	2.50	.59	1	1-1/4
3/4	1	12E-676 [c]	1-5/16–12	4.51	2.15	3.19	.76	1-1/4	1-1/2
1	1	16E-676 [c]	1-5/16–12	4.39	2.14	3.00	.83	1-1/4	1-1/2

SAE 37° Female Swivel Long Drop 90° Tube Elbow
(Exceptions Noted)



Hose I.D.	Tube Size	Catalog Number	Thread Size	A	B	Hose Cut-Off Factor†	Hole Dia.	Hex E	Hex F
1/4	1/4	04E-644 [a]	7/16-20	2.27	1.80	1.42	.15	7/16	9/16
1/4	5/16	04E-645 [a]	1/2-20	2.51	1.80	1.63	.16	7/16	5/8
5/16	3/8	05E-646 [c]	9/16-18	2.63	2.18	1.69	.22	9/16	11/16
3/8	3/8	06E-646 [c]	9/16-18	2.72	2.18	1.75	.24	5/8	11/16
3/8	1/2	06E-648 [a]	3/4-16	2.83	2.43	1.88	.27	5/8	7/8
1/2	1/2	08E-648 [a]	3/4-16	2.92	2.43	1.88	.33	3/4	7/8
1/2	5/8	08E-650 [a]	7/8-14	2.96	2.57	1.94	.39	3/4	1
3/4	3/4	12E-652 [c]	1-1/16–12	3.74	3.73	2.50	.58	1	1-1/4
1	1	16E-656 [c]	1-5/16–12	4.36	4.33	3.00	.83	1-1/4	1-1/2

British Standard (BSPP) 60° Cone Female Pipe Swivel 90° Elbow



Hose I.D.	BSPP Pipe Size	Catalog Number	Thread Size	A	B	Hose Cut-Off Factor†	Hole Dia.	Hex E	Hex F
1/4	1/4	04E-74P	G-1/4-19*	2.89	1.50	2.06	.16	7/16	3/4
3/8	3/8	06E-76P	G-3/8-19*	2.96	1.66	2.00	.27	5/8	7/8
1/2	1/2	08E-78P	G-1/2-14*	2.95	1.73	1.88	.37	3/4	1
3/4	3/4	12E-82P	G-3/4-14*	3.83	2.43	2.61	.61	1	1-1/4

*G As Part of Thread Size is ISO Designation for Parallel Thread.

†To determine the correct length of hose, subtract the cut-off factor for each end fitting from the overall length of assembly.
[a] Swivel nuts are universal – both SAE 37° and 45° connections. [b] SAE 45° flare connection only. [c] SAE 37° flare connection only.

The Instrumentation Company

NOSHOK INCORPORATED

Address: 1010 West Bagley Road
Berea, OH 44017

Phone: 440-243-0888

Fax: 440-243-3472

E-mail: noshok@noshok.com

100 Series Standard Pressure Gauge

Model 110 - 2 ½ Inch Dial Size

ORDERING INFORMATION

For Regularly Stocked Items

(Contact Us for additional gauge offerings)

Size and Model	**25-110**	2 ½ Inch Dial Size - Model 110
NPT Connection Size	**1/4" NPT**	Brass Center Back Connection
Dual Scale Dial Units	Outer Scale Options:	**psi**
	Inner Scale Options:	**kPa** **bar** **kg/cm²**

Pressure Ranges

30" Vac	30" Hg Vacuum to 0 psi	**400**	0 psi to 400 psi[2]
15	0 psi to 15 psi	**600**	0 psi to 600 psi[2]
30	0 psi to 30 psi	**1,000**	0 psi to 1,000 psi[1]
60	0 psi to 60 psi	**1,500**	0 psi to 1,500 psi[2]
100	0 psi to 100 psi	**2,000**	0 psi to 2,000 psi[1]
160	0 psi to 160 psi	**3,000**	0 psi to 3,000 psi[2]
200	0 psi to 100 psi	**5,000**	0 psi to 5,000 psi[2]
300	0 psi to 300 psi	**6,000**	0 psi to 6,000 psi[1]

[1] This Range is Regularly Stocked in **psi-kPa** Only

[2] This Range is Not Regularly Stocked in **psi-bar**

Contact Us with your requirements for additional **Pressure Range**, **Dial Scale Unit** and **Connection** availability

Stock Options

- Black Plastic Adapter Ring
- Chrome Plated Steel Adapter Ring
- Polished 304 Stainless Steel Bezel
- Instrument Glass Lens
- Laminated Safety Glass Lens
- Lexan Lens

Flat-Sided ABS Case	Panel Mount Clamps w/Screws
Black Painted Steel Case	Press Fit Orifices
Black Painted Steel Case w/Blow-Out	Cintered Press-Fit Orifices
304 Stainless Steel Case	Threaded Orifices
Chrome Plated Steel Case	Adjustable Pointer
10-32 UNF 2B Connection	Maximum Indicating Pointer
1/4" NPT x 1/4" BSP Brass Adapter Connection	Set Pointer
Sealing Gasket for BSP Adapter Connection	Certificate of Conformance
Black Painted Steel Cover Ring	Certified Calibration
304 Stainless Steel Cover Ring	Cleaning for Oxygen Services
Polished Chrome Plated Steel Cover Ring	Rubber Case Protector
Black Painted Steel Front Flange - ABS Case	NOSHOK Laboratory Services
Chrome Plated Steel Front Flange - ABS Case	Silicone Dampened Movements

Contact Us with your requirements for additional **Non-Stock Option** and **Special Option** availability

Accessories	Piston Type Pressure Snubbers	Pigtail Steam Syphons
	Diaphragm Seals	

Print this Page

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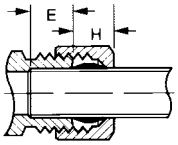
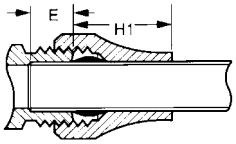
Compression

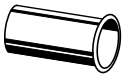


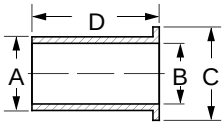


NOTE: H and H1 are hand tight.

Tube O.D.	E Tube Stop Depth	H	H1 (Long Nut)
1/8	.19	.23	–
3/16	.22	.25	.47
1/4	.25	.29	.56
5/16	.28	.30	.66
3/8	.31	.27	.70
1/2	.38	.42	.88
5/8	.38	.42	.92
3/4	.44	.49	1.18

Tube Support for Plastic Tubing





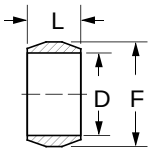
Use only with PT200 and PT240 Tubing.

* For Tubing with .126 I.D./.062 wall thickness.

** For tubing with .170 I.D./.040 wall thickness.

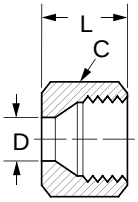
Tube O.D.	Catalog Number	Dia. A	Dia. B	Dia. C	Length D
1/4	2030x4*	1/8	3/32	11/64	19/32
1/4	2030x44**	11/64	9/64	7/32	17/32
5/16	2030x5	3/16	5/32	15/64	5/8
3/8	2030x6	1/4	7/32	11/32	41/64
1/2	2030x8	3/8	11/32	7/16	13/16
5/8	2030x10	1/2	29/64	35/64	13/16
3/4	2030x12	9/16	33/64	11/16	1-1/32
1	2030x16◆	3/4	45/64	51/64	1-1/4

Compression Sleeve
(Ref. SAE No. 060115)



Tube O.D.	Catalog Number	D	F	L
1/8	60x2	.13	.19	.19
3/16	60x3	.19	.27	.22
1/4	60x4	.26	.34	.25
5/16	60x5	.32	.41	.25
3/8	60x6	.38	.47	.25
7/16	60x7	.44	.53	.31
1/2	60x8	.51	.59	.38
5/8	60x10	.63	.72	.38
3/4	60x12◆	.76	.88	.44
1	60x16◆	1.02	1.17	.56

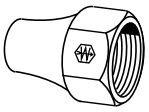
Nut
(Ref. SAE No. 060110)

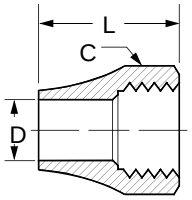


Tube O.D.	Catalog Number	Hex C	D	L
1/8	61x2	3/8	.13	.38
3/16	61x3	7/16	.19	.41
1/4	61x4	1/2	.26	.44
5/16	61x5	9/16	.32	.44
3/8	61x6	5/8	.38	47
7/16	61x7	11/16	.44	.50
1/2	61x8	13/16	.51	.62
5/8	61x10	15/16	.63	.62
3/4	61x12◆	1-3/16	.76	69

◆MTO - Made To Order

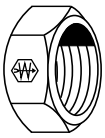
Long Nut

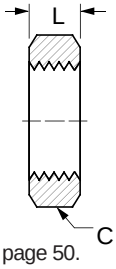




Tube O.D.	Catalog Number	Hex C	D	L
3/16	1611x3	7/16	.193	.62
1/4	1611x4	9/16	.260	.75
5/16	1611x5◆	5/8	.320	.84
3/8	1611x6	11/16	.380	.88
1/2	1611x8◆	13/16	.510	1.06
5/8	1611x10◆	15/16	.637	1.08
3/4	1611x12◆	1-1/8	.760	1.38
1	1611x16◆	1-3/8	1.020	1.59

Bulkhead Nut

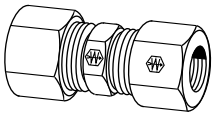


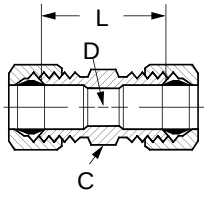


Used on 74x Bulkhead Unions. Ref. page 50.

Tube O.D.	Catalog Number	Hex C	L	Thread Size
1/4	0102x4	9/16	.25	7/16–24
5/16	0102x5	5/8	.25	1/2–24
3/8	0102x6	11/16	.25	9/16–24
1/2	0102x8	15/16	.38	11/16–20

Union
(Ref. SAE No. 060101BA)

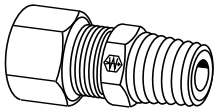


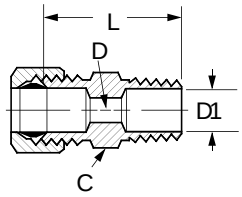


Assembly with long nut 162x

Tube O.D.	Catalog Number	Hex C	D	L
1/8	62x2	5/16	.094	.66
3/16	62x3	3/8	.125	.76
1/4	62x4	7/16	.188	.79
5/16	62x5	1/2	.250	.88
3/8	62x6	9/16	.312	.97
1/2	62x8	11/16	.406	1.10
5/8	62x10	13/16	.500	1.25
3/4	62x12◆	1	.562	1.44

Male Connector
(Ref. SAE No. 060102BA)



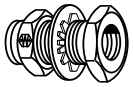


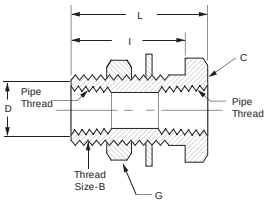
Assembly with long nut 168x
*Available only as assembly with long nut.

Tube O.D.	Male Pipe Thread	Catalog Number	Hex C	D	D1 Opt.	L
1/8	1/16	68x2x1	3/8	.094	–	.78
1/8	1/8	68x2	7/16	.094	.094	.78
3/16	1/8	68x3	7/16	.125	.125	.84
1/4	1/8	68x4	7/16	.188	.188	.88
5/16	1/8	68x5	1/2	.250	.234	.91
5/16	1/4	68x5x4	9/16	.250	.250	1.09
3/8	1/8	68x6x2	9/16	.312	.250	.97
3/8	1/4	68x6	9/16	.312	.312	1.17
3/8	3/8	68x6x6	11/16	.312	.312	1.16
3/8	1/2	68x6x8	7/8	.312	.562	1.34
7/16	1/4	68x7◆	5/8	.312	.312	1.19
1/2	1/4	68x8x4	11/16	.406	.281	1.22
1/2	3/8	68x8	11/16	.406	.406	1.22
1/2	1/2	68x8x8	7/8	.406	.406	1.41
5/8	1/2	68x10	7/8	.500	.500	1.50
3/4	1/2	68x12◆	1	.562	.562	1.62
3/4	3/4	68x12x12◆	1-1/16	.562	.875	1.62
1	1	168x16◆*	1-3/8	.875	–	2.00

◆MTO - Made To Order

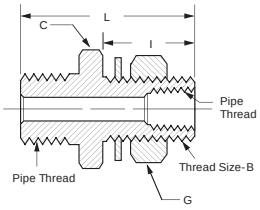
Bulkhead Coupling (Brass)





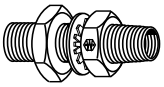
Fem. Pipe Thread	Catalog Thread	Thread Size B	Hex C	Hex C1	D	I	L
1/4	1344	3/4–16	1	15/16	.422	1.25	1.50
1/4	1345	3/4–16	1	15/16	.422	.69	.94
3/8	1346	1–14	1-1/8	1-3/8	.563	1.06	1.31
1/2	1351	1-1/8–14	1-1/4	1-3/8	.703	1.19	1.50

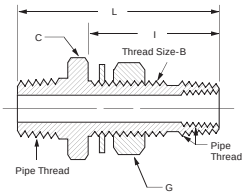
Bulkhead Coupling (Brass)



Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Thread Size B	Hex C	Hex C1	D	I	L
1/2	1/4	1340	3/4–16	1-1/4	15/16	.312	1.13	2.16
1/2	1/4	1341	3/4–16	1-1/4	15/16	.312	1.53	2.53

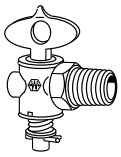
Bulkhead Coupling (Brass)

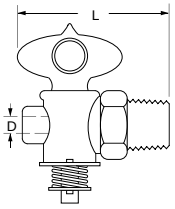




Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Thread Size B	Hex C	Hex C1	D	I	L
1/2	1/4	1342	1–14	1-1/4	1-3/8	.375	1.88	2.94
1/2	1/4	1343	1–14	1-1/4	1-3/8	.375	2.88	3.94

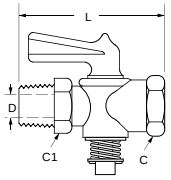
Draincock





Male Pipe Thread	Catalog Number	D	L
1/4	W15310	.188	1.56

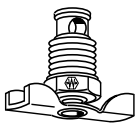
Shut Off Valve

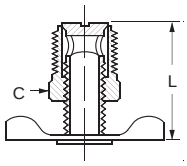


Rating: 125 psi with one 1/4" bubble in 5 seconds permissible key leakage.

Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Hex C	Hex C1	D	L
1/4	1/4	W20332	5/8	3/4	.218	1.81

External Seat Draincock

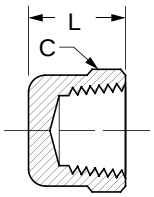




Male Pipe Thread	Catalog Number	Hex C	L
1/4	145	9/16	1.00

BRASS

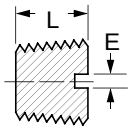
Cap



*PTF Short Thread

Fem. Pipe Thread	Catalog Number	Hex C	L
1/8*	3129x2	9/16	.50
1/4*	3129x4	11/16	.59
3/8*	3129x6	13/16	.68

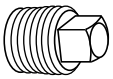
Slotted Plug

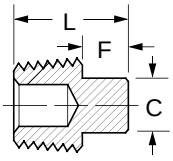


*PTF Short Thread

Male Pipe Thread	Catalog Number	E	L
1/8*	3150x2	.05	.28
1/4*	3150x4	.08	.42
3/8*	3150x6	.09	.43

Square Head Plug

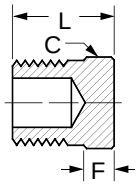




*PTF Short Thread

Male Pipe Thread	Catalog Number	Square C	F	L
1/8*	3151x2	.28	.24	.58
1/4*	3151x4	.37	.29	.74
3/8*	3151x6	.43	.32	.82
1/2*	3151x8	.56	.39	.99
3/4*	3151x12	.62	.43	1.12

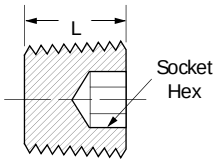
Hex Head Plug



* PTF Short Thread
** PTF Special Short Thread

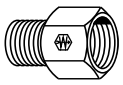
Male Pipe Thread	Catalog Number	Hex C	F	L
1/16	3152x1◆	3/8	.18	.56
1/8*	3152x2	7/16	.19	.57
1/4*	3152x4	9/16	.18	.62
3/8*	3152x6	11/16	.22	.72
1/2*	3152x8	7/8	.22	.78
3/4**	3152x12	1-1/16	.25	.88

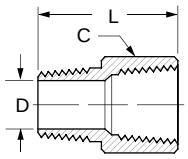
Hex Socket Plug



Male Pipe Thread	Catalog Number	Socket Hex	L
1/16	3153x1◆	5/32	.260
1/8	3153x2◆	3/16	.370
1/4	3153x4◆	1/4	.410
3/8	3153x6◆	5/16	.410
1/2	3153x8◆	3/8	.540

Adapter
(Ref. SAE No. 130139)





Fem. Pipe Thread	Male Pipe Thread	Catalog Number	Hex C	D	L
1/8	1/16	3200x2x1◆	1/2	.125	.88
1/8	1/8	3200x2	9/16	.219	.88
1/4	1/8	3200x4x2	3/4	.219	1.06
1/4	1/4	3200x4	3/4	.312	1.25
3/8	1/4	3200x6x4	7/8	.312	1.25
3/8	3/8	3200x6	7/8	.438	1.25
1/2	3/8	3200x8x6	1-1/16	.438	1.47
3/4	3/8	3200x12x6	1-1/4	.438	1.59
3/4	1/2	3200x12x8	1-1/4	.562	1.69

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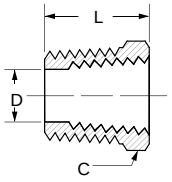
Pipe

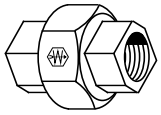
Bushing
(Ref. SAE No. 130140)

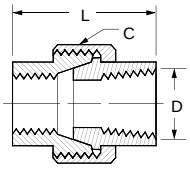


*PTF Short Thread
**Optional Counterbore

Male Pipe Thread	Fem. Pipe Thread	Catalog Number	Hex C	DL	L
1/4*	1/8	3220x4x2	5/8	.339	.59
3/8	1/8	3220x6x2	11/16	.328	.75
3/8*	1/4	3220x6x4	11/16	.438	.69
1/2*	1/8	3220x8x2	7/8	.539**	.75
1/2*	1/4	3220x8x4	7/8	.438**	.75
1/2*	3/8	3220x8x6	7/8	.562	.75
3/4*	3/8	3220x12x6	1-1/8	.562	.88
3/4*	1/2	3220x12x8	1-1/8	.703	.88

Union

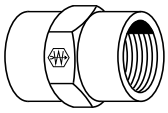


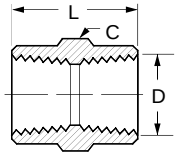


*PTF Short Thread

Fem. Pipe Thread	Catalog Number	Hex C	D	L
1/8*	3250x2◆	7/8	.339	.97
1/4*	3250x4	1-1/16	.438	1.31
3/8	3250x6◆	1-5/16	.560	1.66
1/2	3250x8	1-9/16	.703	1.81

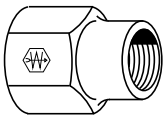
Coupling
(Ref. SAE No. 130138)

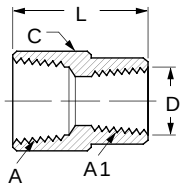




Fem. Pipe Thread	Catalog Number	Hex C	D	L
1/16	3300x1	7/16	.339	.75
1/8	3300x2	9/16	.339	.75
1/4	3300x4	3/4	.438	1.12
3/8	3300x6	7/8	.578	1.12
1/2	3300x8	1-1/16	.703	1.50
3/4	3300x12	1-1/4	.906	1.53

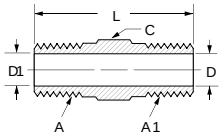
Reducer Coupling
(Ref. SAE No. 130138)





Fem. Pipe Thread A	Fem. Pipe Thread A1	Catalog Number	Hex C	D	L
1/4	1/8	3300x4x2	3/4	.339	.96
3/8	1/8	3300x6x2	7/8	.339	.94
3/8	1/4	3300x6x4	7/8	.438	1.16
1/2	3/8	3300x8x6	1-1/16	.562	1.38

Hex Nipple
(Ref. SAE No. 130137)



*Optional Counterbore .312

Male Pipe Thread A	Male Pipe Thread A1	Catalog Number	Hex C	D	D1	L
1/16	1/16	3325x1	3/8	.125	.125	.978
1/8	1/8	3325x2	7/16	.219	.219	.97
1/8	1/16	3325x2x1	7/16	.230	.156	.955
1/4	1/8	3325x4x2	9/16	.219	.219*	1.19
1/4	1/4	3325x4	9/16	.312	.312	1.38
3/8	1/8	3325x6x2	11/16	.219	.438	1.22
3/8	1/4	3325x6x4	11/16	.312	.438	1.41
3/8	3/8	3325x6	11/16	.438	.438	1.41
1/2	1/2	3325x8	7/8	.562	.562	1.81
3/4	3/4	3325x12	1-1/16	.750	.750	1.94

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Horizontal Air Receivers
1-30 Gallons

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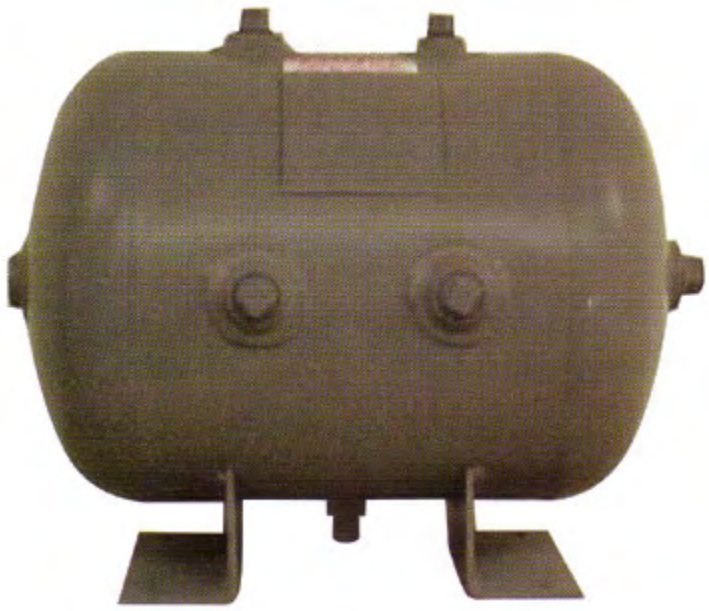
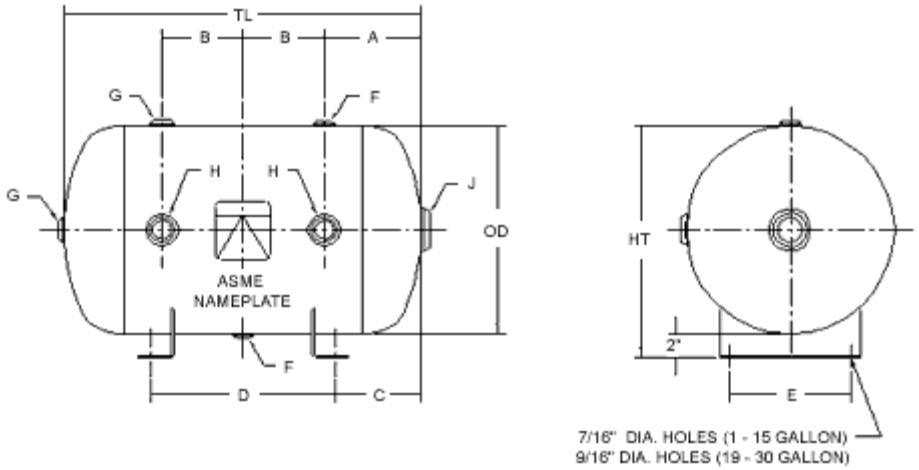


CAPACITY (GAL.)	CAPACITY (CU. FT.)	PART#	MAWP	T.W.
1	0.13	304978	200	15
2	0.27	304980	200	17
3	0.40	304982	200	22
5	0.67	304932	200	25
7	0.94	304934	200	29
10	1.34	304936	200	35
13	1.74	304938	200	45
15	2.01	304940	200	51
19	2.54	304942	200	59
24	3.21	304944	200	72
30	4.01	304946	200	85



	DIMENSIONS IN INCHES								N.P.T. OPENINGS			
PART#	OD	TL	HT	A	B	C	D	E	F	G	H	J
304978	6.00	11.00	8.00	4.00	1.50	2.00	7.00	3.50	1/2	3/4	3/4	1
304980	8.00	11.00	10.00	4.50	1.00	2.00	7.00	4.50	1/2	3/4	3/4	1
304982	8.00	16.00	10.00	5.50	2.50	3.00	10.00	4.50	1/2	3/4	3/4	1
304932	10.00	16.00	12.00	4.88	3.13	3.00	10.00	6.50	1/2	3/4	3/4	1
304934	12.00	17.00	14.00	6.00	2.50	3.50	10.00	6.50	1/2	3/4	3/4	1
304936	12.00	23.00	14.00	6.00	5.50	6.50	10.00	6.50	1/2	3/4	3/4	1
304938	14.00	23.00	16.00	6.38	5.13	4.00	15.00	8.50	1/2	3/4	1-1/2	1
304940	14.00	26.00	16.00	7.00	6.00	5.50	15.00	8.50	1/2	3/4	1-1/2	1
304942	16.00	25.00	18.00	7.00	5.50	4.50	16.00	10.50	1/2	3/4	1-1/2	2
304944	16.00	31.00	18.00	7.00	8.50	7.50	16.00	10.50	1/2	3/4	1-1/2	2
304946	18.00	31.00	20.00	7.50	8.00	7.50	16.00	10.50	1/2	3/4	1-1/2	2

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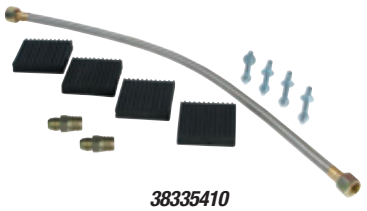
INSTALLATION KITS

Installation Kits



38335410

Kit Number	Description	Part Number	Quantity
1/2" Standard Installation Kits			
38335402*	Vibration pads	32321002	4
	1/2" x 3' braided hose	38335295	1
	1/2" JIC to NPT male adapter	38335337	2
	1/2" x 4" foundation bolts	38335329	4
	Instruction sheet	22256549	1
3/4" Standard Installation Kits			
38335410**	Vibration pads	32321002	4
	3/4" x 3' braided hose	38335303	1
	3/4" JIC to NPT male adapter	38335345	2
	1/2" x 4" foundation bolts	38335329	4
	Instruction sheet	22256549	1
1" Standard Installation Kits			
38335394***	1" x 3' braided hose	38335311	1
	1" JIC to NPT male adapter	38335352	2
	1/2" x 4" foundation bolts	38335329	4
	Instruction sheet	22256549	1

*For compressor models SS3, SS5, and TS4/5/51 electric units.
**For compressor models TS7, TS10, and TS15 electric units.
***For 2000 Series electric compressor models. The 1" kits do not have vibration pads due to pads being shipped as standard with the 2000 Series air compressor packages.

MAINTENANCE KITS

Compressor Model	Valve / Gasket Kit	Ring / Gasket Kit	Bearing Kit	Air Filter	Overhaul Kit	Gasket Kit
Maintenance Kits						
SS3 Electric Units	97338107	97338115	N/A	70243712	N/A	N/A
TS4/5/51 Electric Units	85584316	85580470	85581445	32170979	85581486	85581478
TS7 Electric Units	22185078	22185052	22185094	32170979	22185110	22185136
TS7 Gas Units	85584316	85580470	85581445	32170979	85581486	85581478
TS10 Electric Units	85582385	85582393	85582401	54406640	85582427	85582419
TS15 Electric Units	22185086	22185060	22185102	32170979	22185128	22185144
SS5 Electric Units	20100277	20100285	N/A	32170979	N/A	N/A
2000 Electric Units	20103081	20103099	20103107	32170979	22222053	N/A

Supplement Sheet
Pressure Switches
Models 2340, 2475, 2545, 7100, 15T, 3000, 2000

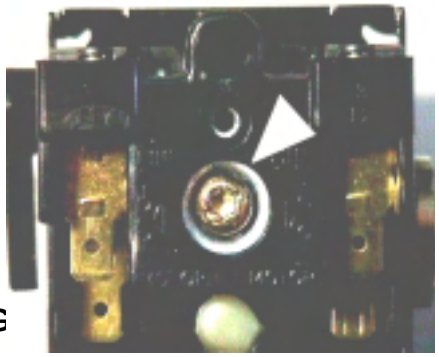
This supplement sheet contains installation, maintenance and replacement parts information that has not yet been incorporated into the owner's manual and parts list for your air compressor. Please retain this information for reference.

ADJUSTING THE PRESSURE SWITCH SETTINGS

WARNING ! **High voltage is present at the pressure switch contacts when the power supply is connected. Disconnect, lock and tag main power supply before making adjustments.**

CAUTION! **Do not adjust the pressure switch to exceed the maximum discharge pressure of the unit.**
Cut-off failure can occur by over adjusting the range nut.

NOTE **Adjust the pressure switch only if adjustments are absolutely necessary.**



To properly adjust the range, follow the instructions below:

1. Remove the pressure switch cover.
2. Adjust the range by turning the range adjustment screw (A) clockwise (in) to increase the cut-out point or counter-clockwise (out) to decrease the cut-out point.

NOTE: One full turn (360°) changes the setting approximately 6 PSIG

3. Replace cover, reconnect power supply and start the compressor.
4. Note the pressure gauge reading at which the compressor cuts out.
5. Repeat adjustment procedure if necessary.

PRESSURE SWITCH INSTALLATION PRECAUTIONS

Diaphragm leaks can occur if a new pressure switch is installed improperly. During installation of a new pressure switch, do not tighten the pressure switch by turning the switch

In addition, do not use the pressure switch assembly as a handle when moving the compressor. This places stress on the body-to-diaphragm connection and can distort internal components.

Failure can occur by putting undue stress on the unloader body while tightening the unloader tubing with a wrench. Do not adjust the orientation of the pressure switch by turning the entire assembly with a wrench placed on the unloader connection.

TYPICAL PRESSURE SWITCH SETTINGS

Minimum On	Maximum Off	Differential (Non-Adjustable)
100	175	30-40

PART NUMBERS AND DESCRIPTIONS FOR PRESSURE SWITCHES

The pressure switch part numbers shown below are for 175 psi air compressors that are equipped with standard NEMA 1 electrical enclosures.

HP	MODEL		PART NO.	DESCRIPTION
5	2340L5 SINGLE PHASE		56288806	SWITCH, PRESSURE
	2340L5 THREE PHASE		56288764	SWITCH, PRESSURE — WITH UNLOADER VALVE
	2-2340E5		56288764	SWITCH, PRESSURE — WITH UNLOADER VALVE
		AND	56288798	SWITCH, PRESSURE
	2545N5-PS		56288798	SWITCH, PRESSURE
	2475N5 STANDARD		56288772	SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER
	2475N5 TOTALLY PACKAGED		56288764	SWITCH, PRESSURE — WITH UNLOADER VALVE
7-1/2	2475N7.5		56288772	SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER
	2-2475E7.5		56288764	SWITCH, PRESSURE — WITH UNLOADER VALVE
		AND	56288798	SWITCH, PRESSURE
	2545N7.5-PS		56288780	SWITCH, PRESSURE — WITH LEVER
10	2545E10V		56288772	SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER
	2-2545A10V		56288764	SWITCH, PRESSURE — WITH UNLOADER VALVE
		AND	56288798	SWITCH, PRESSURE
	2545E10		56288780	SWITCH, PRESSURE — WITH LEVER
	2545K10		56288780	SWITCH, PRESSURE — WITH LEVER
	7100E10-PS		56288798	SWITCH, PRESSURE
15	7100E15		56288798	SWITCH, PRESSURE
	15TE15		56288798	SWITCH, PRESSURE
	15TE15-PS		56288798	SWITCH, PRESSURE
	7100E15V		56288772	SWITCH, PRESSURE — WITH UNLOADER VALVE AND LEVER
20	15TE20		56288798	SWITCH, PRESSURE
	2000E20-PS		56288798	SWITCH, PRESSURE
	3000E20		56288798	SWITCH, PRESSURE
25	2000E25-PS		56288798	SWITCH, PRESSURE
	2000A25-PS		56288798	SWITCH, PRESSURE
	3000E25		56288798	SWITCH, PRESSURE
30	2000E30-PS		56288798	SWITCH, PRESSURE
	3000E30		56288798	SWITCH, PRESSURE

HP = MOTOR HORSEPOWER

Form SCD-914

P. Murray

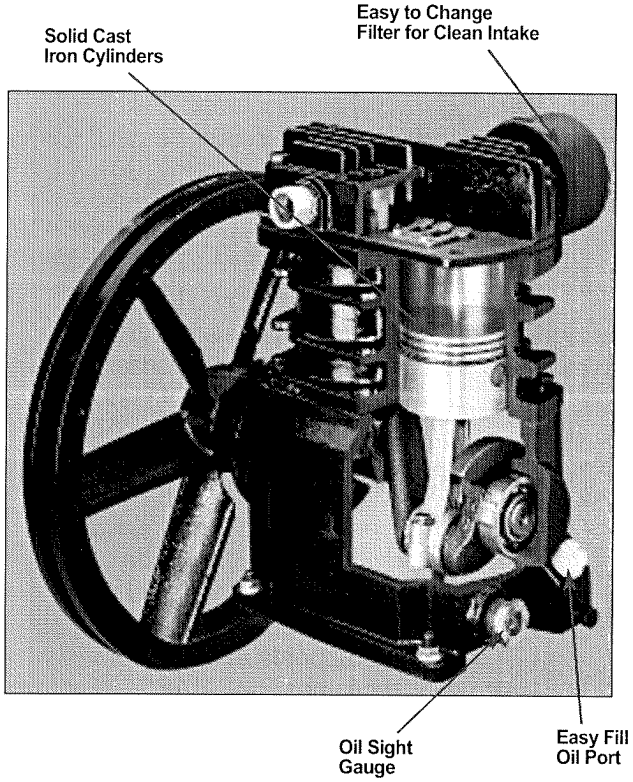
July 2000

Technical Specification Guide

Standard Features

Oil-lube, Single Stage, Electric Drive

- Quiet operation
- Durable 100% cast iron cylinders and frame.
- 100% continuous duty cycle
- Manual thermal overload protection of the motor. No starter required.
- Automatic start/stop pressure switch control with manual on/off lever.
- 60 gallon vertical ASME receiver tank including discharge mounted check valve, pressure gauge, drain valve, service valve and relief valves.
- Totally enclosed beltguard provides a shield around the flywheel, belt and motor sheave.
- Fully assembled
- All units are prewired and thoroughly tested prior to shipment.
- Splash Lubrication
- 230-1-60 Voltage
- Meets OSHA standards
- UL/CSA/ASME compliant



Specifications

Model	Running HP	Tank Size	Voltage	Capacity (cfm) @90psi/135psi	Maximum Pressure	Package Dimensions L/W/H (in.)	Net Weight (lbs.)
SS3L3*	3	60 gallon vertical	230/1/60	11.3 / 10.3	135	20 x 23 x 66	300
SS5L5**	5	60 gallon vertical	230/1/60	18.1 / 15.5	135	20 x 30 x 71	310

*3 HP Running, 7.9 Peak HP
**5 HP Running, 11.8 Peak HP

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Zinc Cable & Conduit Connectors

For Armored Cable, Flexible Metal Conduit & Metal Clad Cable

Type AC

90° 2–Screw Clamp

Use:
To make a 90° termination of conduit or cable to a knockout or unthreaded slip hole in a dry location box or enclosure.

Features:
- Male hub threads NPS
- All center stopped
- Furnished with locknut
- Available with insulated throat
- Combination head screws on AC(I)-90 through AC(I)-96

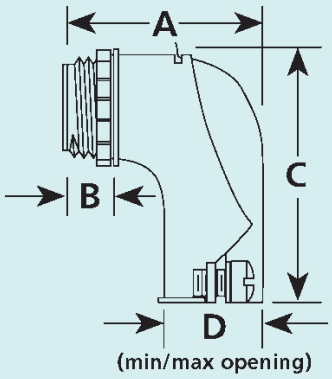
Material/Finish:
Zinc Die Cast Body and locknut
Zinc Plated Steel Cover and screws

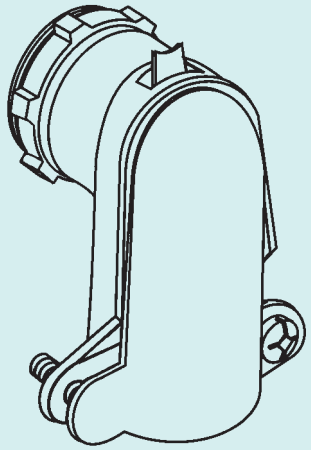
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1
Fed. Spec: W-F-406D,
Type I, Class I, Style D, Kind C

Note:
AC-90 and AC-95 listed for use with 3/8" regular wall steel or aluminum flexible conduit. AC-96 listed for use with 3/4" regular wall steel or aluminum flexible conduit and reduced wall steel or aluminum flexible conduit.

AC-90, ACI-90, AC-95, and ACI-95 are listed for use with 14-2 AWG through 10-3 AWG steel or aluminum armored cable and AC-95 is listed for use with 8-2 AWG and 8-3 AWG steel or aluminum armored cable.

AC-90 and ACI-90 are listed for use with 14-2 AWG through 10-3 AWG interlocking steel or aluminum metal-clad cable.





Type AC-90

Trade Size (inches)	Catalog Number	Insulated Throat Catalog Number	Dimensions in Inches A	B	C	D
~~3/8*~~	~~AC-90~~	~~ACI-90~~	~~1.12~~	~~0.37~~	~~1.74~~	~~0.43-0.72~~
1/2	**AC-95**	**ACI-95**	1.51	0.40	2.11	0.64-1.03
~~3/4~~	~~AC-96~~	~~ACI-96~~	~~1.65~~	~~0.44~~	~~2.40~~	~~0.76-1.15~~
1	**AC-97**		2.33	0.54	2.87	1.09-1.73
1-1/4	**AC-98**		2.75	0.64	4.00	1.34-1.97
1-1/2	**AC-985**		3.75	0.75	6.00	1.65-2.61
2	**AC-99**		4.00	0.74	6.00	1.54-2.54
2-1/2	**AC-250-D**		6.12	0.87	7.19	2.45-2.98
3	**AC-300-D**		6.70	1.03	7.87	2.93-3.45
3-1/2	**AC-350-D**		7.50	1.03	9.40	3.28-3.95
4	**AC-400-D**		8.70	1.03	10.20	3.68-4.42

*** 3/8" fits 1/2" K.O.**

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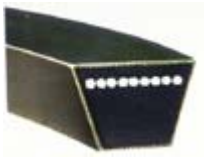
EPT E CATALOG - PART DETAIL

Back to eCatalog Main

Browning A60

Super Gripbelt, A Belt Section, 1/2 x 5/16, 61.3 Pitch Length



Images may not be an exact representation of the product

Belt Section:	A
Pitch Length:	61.3
Typical Applications**:**	
Feature 1:	Wrapped construction - Provides smooth quiet operation. Single fabric design allows greater flexibility. Wrapped Belts are more tolerant to slipping and misalignment than Raw Edge Belts.
Feature 2:	Close Belt tolerance - Browning Belts offer the "Code 1" Match belt system on all classical and "358" Belts, allowing easy selection of just one match number for each belt size. This ensures tighter than RMA standards.
Feature 3:	High Tensile Cord - Specially treated cords to provide strength and additional flex life while providing resistance to elongation for the belt.
Std. Package Qty.:	1

MORE INFO.

Part No	Description	PL	OD	W	H
1082379	A60	61.3	62.2	1/2	5/16

Accessories

Description	Part Number	CAD Link

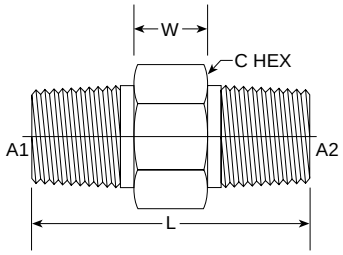
This part does not contain any accessories.

HELP

BACK

MP-MP Hex Nipple
5404 Series

SAE# 140137



	PART NO. SIZE	PIPE O.D.	A1 NPTF	A2 NPTF	L LGTH	M.M.	W WIDTH	M.M.	C HEX	C HEX	M.M.	Standard Material From Stock S	FG	SS	B
	5404-02-02	1/8	1/8-27	1/8-27	1.060	26.92	0.220	5.59	7/16	0.438	11.13	•		•	•
	5404-04-02	1/4	1/4-18	1/8-27	1.260	32.00	0.250	6.35	9/16	0.562	14.27	•		•	
	5404-04-04	1/4	1/4-18	1/4-18	1.450	36.83	0.250	6.35	5/8	0.562	14.27	•		•	•
	5404-06-02	3/8	3/8-18	1/8-27	1.265	32.13	0.250	6.35	11/16	0.750	19.05	•		•	
	5404-06-04	3/8	3/8-18	1/4-18	1.450	36.83	0.250	6.35	11/16	0.750	19.05	•		•	•
	5404-06-06	3/8	3/8-18	3/8-18	1.450	36.83	0.250	6.35	11/16	0.687	17.45	•		•	•
	5404-08-04	1/2	1/2-14	1/4-18	1.700	43.18	0.310	7.87	7/8	0.875	22.23	•		•	
	5404-08-06	1/2	1/2-14	3/8-18	1.700	43.18	0.310	7.87	7/8	0.875	22.23	•		•	•
	5404-08-08	1/2	1/2-14	1/2-14	1.890	48.01	0.310	7.87	7/8	0.875	22.23	•		•	•
	5404-12-04	3/4	3/4-14	1/4-18	1.770	44.96	0.380	9.65	1 1/8	1.125	28.58	•		•	
	5404-12-06	3/4	3/4-14	3/8-18	1.770	44.96	0.380	9.65	1 1/8	1.125	28.58	•		•	
	5404-12-08	3/4	3/4-14	1/2-14	1.960	49.78	0.380	9.65	1 1/8	1.125	28.58	•		•	•
	5404-12-12	3/4	3/4-14	3/4-14	1.960	49.78	0.380	9.65	1 1/8	1.125	28.58	•		•	•
	5404-16-04	1	1-11 1/2	1/4-18	1.960	49.78	0.380	9.65	1 3/8	1.375	34.93	•		•	
	~~5404-16-06~~	~~1~~	~~1-11 1/2~~	~~3/8-18~~	~~1.970~~	~~50.04~~	~~0.380~~	~~9.65~~	~~1 3/8~~	~~1.375~~	~~34.93~~				
	5404-16-08	1	1-11 1/2	1/2-14	2.150	54.61	0.380	9.65	1 3/8	1.375	34.93	•		•	
	~~5404-16-12~~	~~1~~	~~1-11 1/2~~	~~3/4-14~~	~~2.150~~	~~54.76~~	~~0.380~~	~~9.65~~	~~1 3/8~~	~~1.375~~	~~34.93~~				
	5404-16-16	1	1-11 1/2	1-11 1/2	2.340	59.44	0.380	9.65	1 3/8	1.375	34.93	•		•	•
	5404-20-12	1 1/4	1 1/4-11 1/2	3/4-14	2.410	61.21	0.460	11.68	1 3/4	1.750	44.45	•		•	
	5404-20-16	1 1/4	1 1/4-11 1/2	1-11 1/2	2.450	62.23	0.460	11.68	1 3/4	1.750	44.45	•		•	
	5404-20-20	1 1/4	1 1/4-11 1/2	1 1/4-11 1/2	2.480	62.99	0.460	11.68	1 3/4	1.750	44.45	•		•	
	5404-24-12	1 1/2	1 1/2-11 1/2	3/4-14	2.380	60.45	0.530	13.46	2	2.000	50.80	•		•	
	5404-24-16	1 1/2	1 1/2-11 1/2	1-11 1/2	2.560	65.02	0.530	13.46	2	2.000	50.80	•		•	
	5404-24-20	1 1/2	1 1/2-11 1/2	1 1/4-11 1/2	2.590	65.79	0.530	13.46	2	2.000	50.80	•		•	
	5404-24-24	1 1/2	1 1/2-11 1/2	1 1/2-11 1/2	2.610	66.29	0.530	13.46	2	2.000	50.80	•		•	
NEW	5404-32-12											•			
	5404-32-16	2	2-11 1/2	1-11 1/2	2.710	68.83	0.680	17.27	2 1/2	2.500	63.50	•			
	5404-32-20	2	2-11 1/2	1 1/4-11 1/2	2.760	70.10	0.680	17.27	2 1/2	2.500	63.50	•			
	5404-32-24	2	2-11 1/2	1 1/2-11 1/2	2.760	70.10	0.680	17.27	2 1/2	2.500	63.50	•		•	
	5404-32-32	2	2-11 1/2	2-11 1/2	2.820	71.63	0.680	17.27	2 1/2	2.500	63.50	•		•	
NEW	5404-40-40											•			

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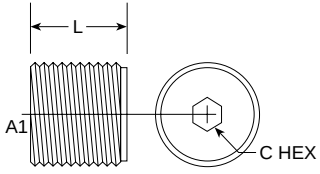
Hollow Hex Pipe Plug
5406-HP Series

SAE# 130109



PART NO.	PIPE O.D.	A1 NPTF	L LGTH	M.M.	C HEX	C HEX	M.M.	Standard Material From Stock S	FG	SS	B
5406-HP-01	1/16	1/16-27	0.300	7.62	5/32	0.156	3.96	•		•	
5406-HP-02	1/8	1/8-27	0.300	7.62	3/16	0.188	4.76	•		•	•
5406-HP-04	1/4	1/4-18	0.460	11.68	1/4	0.250	6.35	•		•	•
5406-HP-06	3/8	3/8-18	0.460	11.68	5/16	0.312	7.92	•		•	•
5406-HP-08	1/2	1/2-14	0.610	15.49	3/8	0.375	9.53	•		•	•
5406-HP-12	3/4	3/4-14	0.620	15.75	9/16	0.562	14.27	•		•	•
5406-HP-16	1	1-11 1/2	0.770	19.56	5/8	0.625	15.88	•		•	
5406-HP-20	1 1/4	1 1/4-11 1/2	0.830	21.08	3/4	0.750	19.05	•		•	
5406-HP-24	1 1/2	1 1/2-11 1/2	0.830	21.08	1	1.000	25.40	•		•	
5406-HP-32	2	2-11 1/2	0.830	21.08	1	1.000	25.40	•		•	

CORPORATE HEADQUARTERS

Brennan Industries, Inc. • 6701 Cochran Road • Solon, Ohio 44139 • Phone: (440) 248-1880 • Fax: (440) 248-7282 • Toll Free: 1 888 331-1523

REGIONAL WAREHOUSES

California
11-A Goodyear
Irvine, California 92618
Phone: (949) 595-0901
Fax: (949) 595-0933
Toll Free: 1-800-942-5321

Georgia
5369 Penn Circle
Decatur, Georgia 30035
Phone: (770) 981-8451
Fax: (770) 987-0926
Toll Free: 1-800-458-1988

Ohio
30205 Solon Road
Solon, Ohio 44139
Phone: (440) 248-7088
Fax: (440) 248-9375
Toll Free: 1-800-331-1523

Texas
1189 108th Street
Grand Prairie, Texas 75050
Phone: (972) 988-8311
Fax: (972) 660-6638
Toll Free: 1-800-443-9937

Washington
1516 45th Street E.
Sumner, Washington 98390
Phone: (253) 987-2010
Fax: (253) 987-2015
Toll Free: 1-800-445-7107

Zinc 2-Screw Connectors

For Non-Metallic Sheathed Cable

Type C

Use:
Open throat type for nonmetallic sheathed cable.

Features:
- Furnished with locknut
- Male NPS threads

Material/Finish:
Zinc Die Cast

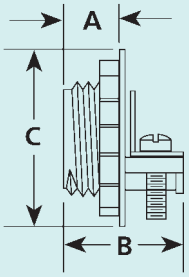
Applicable Third Party Standards:
UL Standard: 514B
CSA Standard: C22.2 No. 18
NEMA: FB-1.
Fed. Spec: W-F-406D,
Type 1, Class 4, Style M,N; Kind M,N

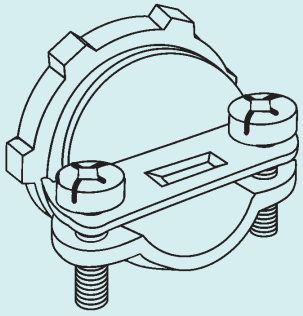
Note:
C-500 is listed for use with one or two runs of 14-2 AWG with ground through 10-2 AWG with ground nonmetallic sheathed cable, one run of flexible cord with a diameter range of 0.29" through .450"; C-750 is listed for use with 10-3 AWG with ground through 8-3 AWG with ground nonmetallic sheathed cable; C-1000 is listed for use with 8-3
AWG with ground through 6-3 AWG with ground nonmetallic sheathed cable.

Trade Size (inches)	Catalog Number	Dimensions in Inches A	B	C
3/8*	C-500	0.37	0.82	1.12
3/4	C-750†	0.42	1.03	0.90
1	C-1000	0.57	1.20	1.19
1	C-1001-R	0.62	1.18	1.18

*** 3/8" fits 1/2" K.O.**

† Not UL Listed.





Type C-500

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THREE PHASE MOTORS
RIGID BASE • GENERAL PURPOSE

DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/4	1725	...	...	...	...	...	...	...	...
	1725	S56	100027	A	16	208-230/460	1.4	58.0	9.24
1/3	3450	48	101447	A	14	208-230/460	1.7	68.0	9.00
	1725	48	100446	A	17	208-230/460	1.6	64.3	9.12
	1725	S56	100028	A	18	208-230/460	1.6	64.3	9.49
	1140	56	110425	A	23	208-230/460	1.6	65.0	9.88
1/2	3450	...	...	...	...	...	...	...	...
	3450	S56	101448	A	17	208-230/460	2.4	69.0	9.38
	1725	...	...	...	...	...	...	...	...
	1725	S56	100029	A	20	208-230/460	2.0	68.0	9.99
	1140	56	110027	A	22	208-230/460	2.8	66.0	10.38
	850	...	...	...	...	...	...	...	...
3/4	3450	...	...	...	...	...	...	...	...
	3450	S56	101449	A	20	208-230/460	2.8	79.0	9.88
	1725	S56	100030	A	24	208-230/460	2.8	75.0	10.49
	1140	56	110028	A	17	208-230/460	3.4	75.5	10.88
	1140	...	...	...	...	...	...	...	...
	850	...	...	...	...	...	...	...	...
1	3450	56	110426	A	22	208-230/460	3.6	80.6	9.88
	3450	56	116128 Ⓦ	A	24	208-230/460	2.8	80.0	10.18
	1725	56	110029	A	22	208-230/460	4.2	78.5	10.38
	1725	56HZ	115827✻	A	24	208-230/460	4.2	78.5	11.13
	1725	143T	G120010	B	30	208-230/460	3.1	82.5	11.28
	1725	143T	121003 Ⓦ	B	36	208-230/460	3.2	85.5	12.12
	1140	...	...	...	...	...	...	...	...
	1140	145T	G120089	B	35	208-230/460	3.6	80.0	12.28
	1140	145T	121517	B	41	208-230/460	3.8	82.5	12.62
	850	...	...	...	...	...	...	...	...
1½	3450	56	110429	A	29	208-230/460	4.2	82.1	10.88
	3450	143T	G120103	B	35	208-230/460	4.0	82.5	11.63
	3450	143T	121514 Ⓦ	B	36	208-230/460	3.6	84.0	12.12
	1725	56	110430	A	27	208-230/460	5.6	78.5	10.88
	1725	56	111309✣	A	33	208-230/460	5.6	78.5	10.88
	1725	56HZ	115825✻	A	34	208-230/460	5.6	78.5	11.13
	1725	145T	G120011	B	37	208-230/460	4.4	84.0	12.13
	1725	145T	121004 Ⓦ	B	35	208-230/460	4.8	86.5	12.62
	1140	...	...	...	...	...	...	...	...
	1140	182T	G130010	B	54	208-230/460	5.6	84.0	13.69
	1170	182T	131971 Ⓦ	B	82	208-230/460	5.6	86.5	14.69
	1170	...	...	...	...	...	...	...	...
	850	...	...	...	...	...	...	...	...

TOTALLY ENCLOSED FAN COOLED (TEFC)

NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
48	101646	A	18	208-230/460	1.4	58.0	9.31
...	...	...	...	...	...	...	...
48	102684	A	18	208-230/460	1.4	68.0	9.93
48	101647	A	21	208-230/460	1.6	64.3	9.31
S56	101079	A	22	208-230/460	1.6	64.3	9.69
56	110441	A	23	208-230/460	1.6	65.0	10.81
48	100905	A	18	208-230/460	1.8	69.0	9.94
...	...	...	...	...	...	...	...
48	100961✣	A	21	208-230/460	2.0	73.0	9.56
S56	100913	A	24	208-230/460	2.0	73.0	9.94
56	110353	A	26	208-230/460	2.4	70.0	11.31
56	114618	A	31	208-230/460	2.4	69.0	11.81
48	100960✣	A	21	208-230/460	2.8	79.0	10.44
56	110313	A	22	208-230/460	2.4	75.5	10.81
56	110034	A	22	208-230/460	2.8	77.0	10.81
56	110275	A	33	208-230/460	3.0	75.5	11.81
143T	121009	B	34	208-230/460	3.0	75.5	12.75
145T	121199	B	21	208-230/460	3.1	70.0	12.75
56	110145	A	24	208-230/460	3.2	77.1	10.81
56	116129 Ⓦ	A	24	208-230/460	2.8	80.0	11.31
56	110035	A	25	208-230/460	3.8	77.0	11.31
56HZ	115830✻	A	31	208-230/460	3.8	77.0	12.75
143T	G120014	B	31	208-230/460	3.1	82.5	12.75
143T	120921 Ⓦ	B	32	208-230/460	3.2	85.5	13.25
56	113933	A	35	208-230/460	4.0	77.0	12.31
145T	G120087	B	45	208-230/460	3.6	80.0	13.25
145T	121520 Ⓦ	B	47	208-230/460	3.8	82.5	13.75
182T	131478	B	57	230/460	4.2	74.0	12.96
56	110745✣	A	30	208-230/460	4.2	80.3	11.81
145T	G120086	B	45	208-230/460	4.0	82.5	12.75
143T	121518 Ⓦ	B	33	208-230/460	3.6	84.0	13.25
56	110444	A	30	208-230/460	5.0	78.5	11.81
...	...	...	...	...	...	...	...
56HZ	115829✻	A	37	208-230/460	5.0	78.5	12.75
145T	G120015	B	36	208-230/460	4.4	84.0	12.75
145T	120922 Ⓦ	B	34	208-230/460	4.8	86.5	13.75
56H	114930□	A	48	208-230/460	5.7	77.0	13.31
56HZ	120183✻	B	45	208-230/460	5.7	77.0	13.75
182T	G130015	B	82	208-230/460	5.6	85.5	14.96
182T	131980 Ⓦ	B	89	208-230/460	5.6	87.5	15.96
184T	131479	B	68	230/460	5.6	77.0	13.96

Motors in this column have a 1.15 Service Factor, except as noted by ✣, which have a 1.0 Service Factor.

□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
✣ 1.0 Service Factor.
† Class F insulated.
⌖ Automatic reset overload protection. Do not use with variable frequency drives.
Ⓦ Premium efficiency WATTSAVER® Motors. See page 15 for details.
✻ 56HZ motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 143-5T shaft.

CONTINUED ON NEXT PAGE

FOR 50 HZ OPERATION OF THESE MOTOR SIZES SEE PAGE 68

Catalog numbers in blue are NEW items.

Catalog numbers in green are EPACT motors.

DRIP-PROOF

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
2	3450	56	**113292**	A	33	208-230/460	5.6	82.9	11.38
	3450	145T	**G120076**	B	45	208-230/460	5.0	84.0	12.28
	3450	145T	**121515**W	B	43	208-230/460	4.8	85.5	13.12
	1725	56H	**113025**□	A	32	208-230/460	6.2	78.5	11.38
	1725	56H	**111310**✦□	A	36	208-230/460	6.2	78.7	11.38
	1725	56HZ	**115826**❋	A	33	208-230/460	6.2	78.5	11.63
	1725	145T	**G120012**	B	45	208-230/460	6.0	84.0	13.78
	1725	145T	**121005**W	B	37	208-230/460	5.8	86.5	13.63
	1140	184T	**G130012**	B	81	208-230/460	7.2	85.5	14.69
	1170	184T	**131972**W	B	88	208-230/460	7.2	87.5	15.19
	850	...	...	...	...	...	...	...	...
3	3450	56H	**113293**□	A	38	208-230/460	8.0	80.0	11.88
	3450	145T	**G120077**	B	45	208-230/460	7.2	84.0	12.78
	3450	145T	**121516**W	B	45	208-230/460	7.2	86.5	13.12
	3510	...	...	...	...	...	...	...	...
	3510	...	...	...	...	...	...	...	...
	1725	56HZ	**120013**❋	B	44	230/460	8.6	82.5	13.12
	1740	182T	**G130000**	B	57	208-230/460	8.4	86.5	12.69
	1740	182T	**131519**W	B	75	208-230/460	7.9	89.5	13.69
	1750	...	...	...	...	...	...	...	...
	1750	...	...	...	...	...	...	...	...
	1140	213T	**G140550**	B	140	208-230/460	11.6	86.5	15.76
	1180	213T	**171574**W	C	159	208-230/460	10.0	88.5	16.38
	850	...	...	...	...	...	...	...	...
5	3500	184T	**131986**W	B	86	208-230/460	12.0	86.5	15.19
	3450	182T	**G130282**	B	64	208-230/460	12.2	85.5	13.19
	3510	...	...	...	...	...	...	...	...
	1740	184T	**G130004**	B	69	208-230/460	13.2	87.5	13.69
	1740	184T	**131520**W	B	86	208-230/460	12.8	89.5	15.19
	1750	...	...	...	...	...	...	...	...
	1750	...	...	...	...	...	...	...	...
	1140	215T	**G140122**	B	120	208-230/460	17.6	87.5	16.75
	1140	215T	**171575**W	C	185	208-230/460	15.0	90.2	16.38
	850	...	...	...	...	...	...	...	...
7½	3510	...	...	...	...	...	...	...	...
	3450	184T	**131988**W	B	106	208-230/460	17.6	88.5	16.19
	3450	184T	**G130284**	B	78	208-230/460	17.6	87.5	14.69
	3450	...	...	...	...	...	...	...	...
	3510	...	...	...	...	...	...	...	...
	1740	213T	**G140471**	B	144	208-230/460	20.0	88.5	15.25
	1750	213T	**G150142**	C	147	208-230/460	19.6	88.5	16.38
	1760	213T	**170142**W	C	160	208-230/460	19.8	91.0	16.38
	1170	254T	**G150145**	C	240	208-230/460	20.2	88.5	20.94
	1170	254T	**170145**	C	281	208-230/460	22.4	92.4	20.94
	850	...	...	...	...	...	...	...	...
10	3450	213T	**G140682**	B	138	208-230/460	23.4	88.5	17.30
	3510	213T	**G150143**	C	168	208-230/460	24.0	88.5	16.38
	3510	213T	**170143**W	C	150	208-230/460	23.6	91.0	16.38
	1740	215T	**G140490**	B	132	208-230/460	28.0	89.5	16.75
	1750	215T	**G150144**	C	168	208-230/460	25.0	89.5	17.87
	1760	215T	**170144**W	C	200	208-230/460	25.6	91.7	17.87
	1170	256T	**G150146**	C	268	208-230/460	27.0	90.2	22.60
	1170	256T	**170146**W	C	305	208-230/460	29.6	91.7	22.60
	850	...	...	...	...	...	...	...	...
15†	3450	215T	**G140683**	B	145	208-230/460	34.0	90.2	18.55
	1760	S254T	**G140579**	C	150	208-230/460	39.6	91.0	20.07

Motors in this column have NEMA Service Factors—see page 161 for details.

✦ Automatic reset overload protection. Do not use with variable frequency drives.
□ Combination 56H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
❋ 56HZ motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 143-5T shaft.
† More 15HP (and larger) motors with cast iron frames on pages 12 thru 14.

TOTALLY ENCLOSED FAN COOLED (TEFC)

NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
56	**111916**	A	33	208-230/460	5.6	78.8	12.31
145T	**G120088**	B	45	208-230/460	5.0	84.0	13.75
145T	**121519**W	B	44	208-230/460	4.8	85.5	14.25
56H	**113026**□	A	35	208-230/460	6.2	81.5	12.31
...	...	...	...	...	...	...	...
56HZ	**115828**❋	A	37	208-230/460	6.2	81.5	12.75
145T	**G120016**	B	46	208-230/460	6.0	84.0	14.25
145T	**120923**W	B	45	208-230/460	5.8	86.5	14.76
184T	**G130016**	B	83	208-230/460	7.2	86.5	15.46
184T	**131981**W	B	89	208-230/460	7.2	88.5	15.96
213T	**140516**†	B	107	230/460	8.8	77.0	17.21
56H	**114614**□	A	40	208-230/460	8.0	80.0	12.81
145T	**G120185**	B	42	230/460	7.4	85.5	13.75
182T	**G130099**	B	60	208-230/460	7.6	85.5	13.46
182T	**G151563**	C	93	208-230/460	7.4	85.5	16.14
182T	**131985**W	B	66	208-230/460	7.6	86.5	13.96
56HZ	**121034**♣❋	B	45	208-230/460	8.6	82.5	14.25
182T	**G130008**	B	68	208-230/460	8.2	87.5	13.96
182T	**131463**W	B	80	208-230/460	7.8	89.5	14.96
182T	**G151320**	C	94	208-230/460	8.5	87.5	15.89
182T	**171320**W	C	104	208-230/460	7.8	89.5	15.89
213T	**G140551**	B	116	208-230/460	12.0	87.5	17.71
213T	**171378**	C	171	208-230/460	9.4	89.5	18.19
215T	**140518**†	B	114	230/460	12.6	80.0	17.21
184T	**G150299**	C	100	208-230/460	12.0	87.5	16.80
184T	**G130101**	B	73	208-230/460	12.0	87.5	14.46
184T	**131987**W	B	96	208-230/460	12.0	88.5	16.46
184T	**G130027**	B	80	208-230/460	13.0	87.5	14.96
184T	**131464**W	B	94	208-230/460	12.8	89.5	15.96
184T	**G151322**	C	101	208-230/460	13.8	87.5	15.89
184T	**171322**W	C	109	208-230/460	12.8	89.5	16.80
215T	**G140126**	B	142	208-230/460	17.6	87.5	18.21
215T	**171379**	C	176	208-230/460	14.4	89.5	19.61
254T	**151355**	C	188	208-230/460	14.4	88.3	23.23
213T	**170158**W	C	147	208-230/460	18.0	91.0	18.19
...	...	...	...	...	...	...	...
184T	**G131082**	B	91	208-230/460	16.8	88.5	15.96
S213T	**G130103**	B	101	208-230/460	16.8	88.5	16.59
213T	**G150158**	C	150	208-230/460	17.8	88.5	18.20
213T	**G140578**	B	144	208-230/460	20.4	89.5	17.71
213T	**G150157**	C	153	208-230/460	19.2	89.5	18.19
213T	**170157**W	C	155	208-230/460	18.6	91.7	18.19
254T	**G150122**	C	250	208-230/460	20.0	89.5	23.23
254T	**170122**W	C	249	208-230/460	22.2	91.7	23.19
256T	**151356**	C	300	208-230/460	20.0	87.7	24.96
215T	**G140686**	B	126	208-230/460	24.0	89.5	19.84
215T	**G150159**	C	167	208-230/460	23.6	89.5	19.61
215T	**170159**W	C	181	208-230/460	23.4	91.7	19.61
215T	**G140489**	B	167	208-230/460	26.0	89.5	18.71
215T	**G150140**	C	176	208-230/460	25.2	89.5	19.61
215T	**170140**W	C	177	208-230/460	25.0	91.7	19.61
256T	**G150123**	C	277	208-230/460	26.2	89.5	24.92
256T	**170123**W	C	300	208-230/460	29.0	91.7	24.92
284T	**150282**	C	346	208-230/460	26.0	88.8	26.26
215T	**G140687**	B	140	208-230/460	36.0	90.2	20.57
...	...	...	...	...	...	...	...

Motors in this column have a 1.15 Service Factor, except as noted by ♣, which have a 1.0 Service Factor.

FOR 50 HZ OPERATION OF THESE MOTOR SIZES SEE PAGE 68

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

Catalog numbers in blue are NEW items.
Catalog numbers in green are EPACT motors.

Medium Pressure

H213 Truck Hose
SAE J1402 TYPE AI
DOT AI

Typical Application: General purpose truck hose. For use in air brake, fuel, diesel fuel and high temperature petroleum oil applications.
Inner Tube: CPE
Reinforcement: 1 Fiber Braid - 1 Steel Braid.
Cover: Fiber Braid
Cover Color: Black with 2 green stripes 180° apart.
Temp. Range:
Air Brake: -40°F to +200°F (-40°C to +93°C)
Hot Oil: -50°F to +302°F (-45°C to +150°C)
*16 size is not SAE J1402 or DOT approved for air brake applications.

Catalog Number	Hose I.D.	Hose O.D.	Work. Pres. (PSI)	Min. Burst Pres. (PSI)	Min. Bend Radii	Inch. Merc. Vac.	Wt. Per 100 Ft.	Avail. Lengths	Hose End
H21304 H21304-250R	3/16	31/64	2000	8000	3/4	25	12	50',250'	Field Attachable 213 'B' & 213 'N' Series Pages 149-151
H21305 H21305-250R	1/4	35/64	1500	6000	1	25	13	50',250'	
H21306 H21306-250R	5/16	39/64	1500	6000	1-1/4	25	16	50',250'	
H21308 H21308-250R	13/32	47/64	1250	5000	1-3/4	25	19	50',250'	
H21310 H21310-250R	1/2	53/64	1000	4000	2-1/4	25	21	50',250'	
H21312 H21312-250R	5/8	61/64	750	3000	2-3/4	25	26	50',250'	
H21316*	7/8	1-13/64	400	1600	3-1/2	25	32	50'	

H324 Power Steering Hose
SAE J188 TYPE 2

Typical Application: Passenger Car/Light Truck power steering hose (Volumetric Expansion 8 to 17 cc/ft).
Inner Tube: Neoprene
Reinforcement: 2 Fiber Braids
Cover: Neoprene
Temp. Range: -40°F to +250°F (-40°C to +121°C)
*See pages 271-272 for Power Steering Makeup information.

Catalog Number	Hose I.D.	Hose O.D.	Work. Pres. (PSI)	Min. Burst Pres. (PSI)	Min. Bend Radii	Wt. Per 100 Ft.	Avail. Lengths	Hose End
H32406*	3/8	3/4	1500	6000	3-1/8	24	50'	C-O-C 'U' Series Pages 106-119

H243 TEFLON® Hose

Typical Application: Hydraulic, air and steam lines. Particularly suited for air compressor discharge lines where vibration and high temperature are present.
Inner Tube: Teflon®
Reinforcement: Single Stainless Steel Braid, 1" Size Double Stainless Steel Braid (Type 304)
Temp. Range: -65°F to +450°F (-54°C to +232°C)
*For applications above +300°F (+149°C)
Note: Not for use in applications requiring static dissipation.

⚠ **WARNING:** For Teflon® hose application, 'E' series fittings must be used with H243 .030" thin wa hose only.

Catalog Number	Hose I.D.	Hose O.D.	Work. Pres. (PSI)	Min. Burst Pres. (PSI)	Min. Bend Radii	Wt. Per 100 Ft.	Avail. Lengths	Hose End
H24303 H24303-150R	3/16	5/16	3000	12000 9600*	2	6	50',150'	C-O-C 'E' Series Pages 56-62
H24304 H24304-100R	1/4	23/64	3000	12000 9600*	3	8	50',100'	
H24305 H24305-100R	5/16	27/64	2500	10000 8000*	4	10	50',100'	
H24306 H24306-100R	3/8	1/2	2000	8000 6000*	5	12	50',100'	
H24308 H24308-100R	1/2	41/64	1750	7000 5500*	6-1/2	15	50',100'	
H24312	3/4	57/64	1000	4000 3500*	9	22	50'	
H24316◆	1	1-9/64	1000	4000 3350*	12	49	50	

NOTE: Hose Protection Products on pages 42-47. ◆MTO - Made To Order Teflon® is a registered trademark of DuPont.

Vertical In Tank Check Valves
Model KCV234

Features

• For Non-Return Air and Most Liquid Applications

This In Tank Check valve offers an improved one piece body with high flow rates and top quality at an economical price. Model KCV234 is a heavy duty valve with a male to female fitting.

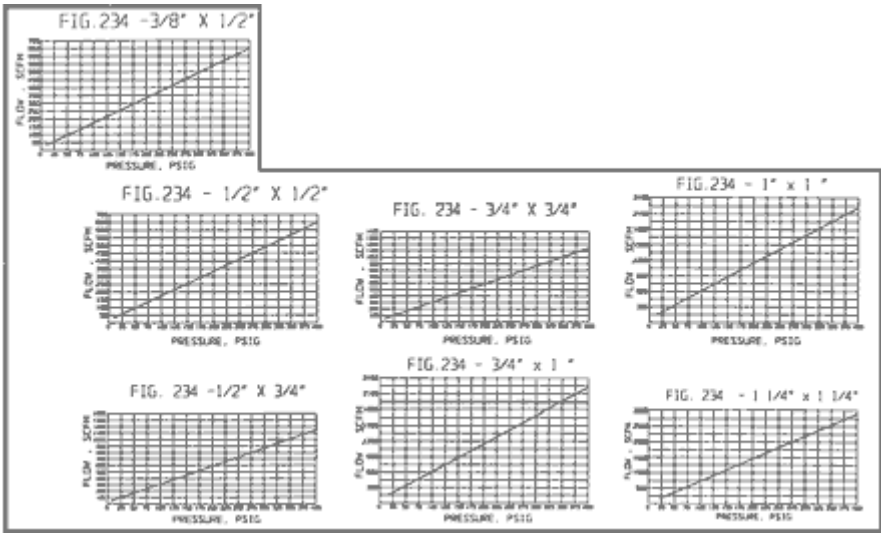
Max. operating pressure 400 PSIG
Temp. range -250°F to 350°F Model KCV234

- **HIGH FLOW RATES**
- **ONE PIECE CONSTRUCTION**
- **TOP QUALITY**
- **ECONOMICAL**

Model KCV234

QUALITY • PERFORMANCE • CONTROL

Fig.	Inlet Size	Outlet Size	Cracking Pressure	Dimension Height | Hex		Approx Ship Wt.
234-3-4	3/8"	1/2"	4.0 psi	2-3/8"	7/8"	3.0 oz
234-4-4	1/2"	1/2"	4.0 psi	2-13/16"	1.0"	4.0 oz
234-4-5	1/2"	3/4"	4.0 psi	3-1/4"	1-1/8"	7.4 oz
234-5-5	3/4"	3/4"	4.0 psi	3-29/32"	1-3/16"	7.0 oz
234-5-6	3/4"	1"	0.5 psi	3-29/32"	1-5/16"	11.2 oz
234-6-6	1"	1"	0.5 psi	3-29/32"	1-1/2"	1 lb 3.2 oz
234-7-7	1-1/4"	1-1/4"	0.5 psi	3-29/32"	1-7/8"	1 lb 2.4 oz



Click the Image for Enlarged View

(The FC Kingston Co. is not liable for any damage resulting from misuse or misapplication of its products)

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F.C. Kingston Inc.

2943 Gleneden St., Los Angeles, CA 90039
Tel: (800) 210-2525 Fax (323) 913-1362

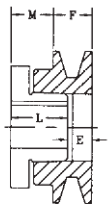
LIGHT DUTY BUSH TYPE
MBL & 2MBL (A-B & 4L-5L V-BELTS)

NEW: Warehouse Innovation

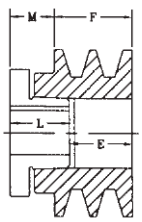
Color-coded products for easy stock retrieval on shelves.

SINGLE GROOVE

DOUBLE GROOVE



TYPE 1



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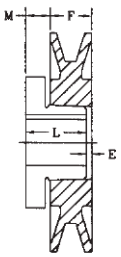

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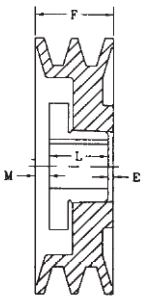

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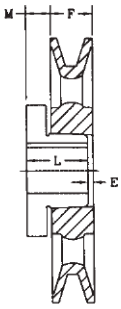
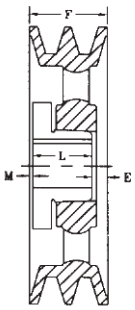


TYPE 5



TYPE 6

Legend: "E", "F", "L" and "M": Sheave dimensions vary according to shaft tolerance.
MBL Serie use "L" bushing.
With "L" bushing only reverse mounting is possible, see page 8.

Suffix on type indicates construction:
A = arm; B = block; W = web.

DD		O.D.	1 GROOVE								
A(4L) Belts	B(5L) Belts		Part No	Cross Refer.	List Price	Type	DIMENSIONS* E	F	L	M	Wt (lbs)
2.40	2.80	3.15	MBL31	BK30H		1B	17/32	29/32	1 11/32	63/64	1.25
2.60	3.00	3.35	MBL33	BK32H		1B	17/32	29/32	1 11/32	63/64	1.40
2.80	3.20	3.55	MBL35	BK34H		1B	17/32	29/32	1 11/32	63/64	1.65
3.00	3.40	3.75	MBL37	BK36H		1B	3/32	29/32	1 11/32	17/32	1.40
3.20	3.60	3.95	MBL39	BK40H		1B	3/32	29/32	1 11/32	17/32	1.70
3.50	3.90	4.25	MBL42	BK45H		1B	3/32	29/32	1 11/32	17/32	2.05
3.70	4.10	4.45	MBL44	BK47H		1B	3/32	29/32	1 11/32	17/32	2.35
4.00	4.40	4.75	MBL47	BK50H		3W	3/32	29/32	1 11/32	17/32	1.95
4.20	4.60	4.95	MBL49	BK52H		3W	3/32	29/32	1 11/32	17/32	2.40
4.50	4.90	5.25	MBL52	BK55H		3W	3/32	29/32	1 11/32	17/32	2.35
4.70	5.10	5.45	MBL54	BK57H		3W	3/32	29/32	1 11/32	17/32	2.90
5.00	5.40	5.75	MBL57	BK60H		5A	3/32	29/32	1 11/32	17/32	2.45
5.20	5.60	5.95	MBL59	BK62H		5A	3/32	29/32	1 11/32	17/32	2.80
5.50	5.90	6.25	MBL62	BK65H		5A	3/32	29/32	1 11/32	17/32	2.70
5.70	6.10	6.45	MBL64	BK67H		5A	3/32	29/32	1 11/32	17/32	2.80
6.00	6.40	6.75	MBL67	BK70H		5A	3/32	29/32	1 11/32	17/32	3.00
6.20	6.60	6.95	MBL69	BK72H		5A	3/32	29/32	1 11/32	17/32	3.60
6.50	6.90	7.25	MBL72	BK75H		5A	3/32	29/32	1 11/32	17/32	3.45
6.70	7.10	7.45	MBL74	BK77H		5A	3/32	29/32	1 11/32	17/32	3.65
7.00	7.40	7.75	MBL77	BK80H		5A	3/32	29/32	1 11/32	17/32	3.80
7.50	7.90	8.25	MBL82	BK85H		5A	3/32	29/32	1 11/32	17/32	4.55
8.50	8.90	9.25	MBL92	BK95H		5A	3/32	29/32	1 11/32	17/32	5.30
9.00	9.40	9.75	MBL97	BK100H		5A	3/32	29/32	1 11/32	17/32	5.80
9.50	9.90	10.25	MBL102	BK105H		5A	3/32	29/32	1 11/32	17/32	5.50
10.00	10.40	10.75	MBL107	BK110H		5A	3/32	29/32	1 11/32	17/32	5.85
10.50	10.90	11.25	MBL112	BK115H		5A	3/32	29/32	1 11/32	17/32	7.20
11.00	11.40	11.75	MBL117	BK120H		5A	3/32	29/32	1 11/32	17/32	6.59
12.00	12.40	12.75	MBL127	BK130H		5A	3/32	29/32	1 11/32	17/32	7.90
13.00	13.40	13.75	MBL137	BK140H		5A	3/32	29/32	1 11/32	17/32	10.15
14.00	14.40	14.75	MBL147	BK150H		5A	3/32	29/32	1 11/32	17/32	13.25
15.00	15.40	15.75	MBL157	BK160H		5A	3/32	29/32	1 11/32	17/32	16.05
18.00	18.40	18.75	MBL187	BK190H		5A	3/32	29/32	1 11/32	17/32	12.45

DD		O.D.	2 GROOVES								
"A" Belts	"B" Belts		Part No	Cross Refer.	List Price	Type	DIMENSIONS* E	F	L	M	Wt (lbs)
2.40	2.80	3.15	-			-	-	-	-	-	-
2.60	3.00	3.35	2MBL33	2BK32H		2B	1 3/8	1 3/4	1 11/32	31/32	2.35
2.80	3.20	3.55	2MBL35	2BK34H		2B	1 3/8	1 3/4	1 11/32	31/32	2.55
3.00	3.40	3.75	2MBL37	2BK36H		2B	1 3/8	1 3/4	1 11/32	31/32	3.00
3.20	3.60	3.95	2MBL39	2BK40H		2B	15/16	1 3/4	1 11/32	17/32	2.80
3.50	3.90	4.25	2MBL42	2BK45H		2B	15/16	1 3/4	1 11/32	17/32	3.25
3.70	4.10	4.45	2MBL44	2BK47H		2B	15/16	1 3/4	1 11/32	17/32	3.35
4.00	4.40	4.75	2MBL47	2BK50H		4W	3/32	1 3/4	1 11/32	5/16	3.85
4.20	4.60	4.95	2MBL49	2BK52H		4W	3/32	1 3/4	1 11/32	5/16	4.00
4.50	4.90	5.25	2MBL52	2BK55H		4W	3/32	1 3/4	1 11/32	5/16	4.40
4.70	5.10	5.45	2MBL54	2BK57H		4W	3/32	1 3/4	1 11/32	5/16	4.95
5.00	5.40	5.75	2MBL57	2BK60H		4W	3/32	1 3/4	1 11/32	5/16	5.30
5.20	5.60	5.95	2MBL59	2BK62H		4W	3/32	1 3/4	1 11/32	5/16	5.80
5.50	5.90	6.25	2MBL62	2BK65H		6A	1/16	1 3/4	1 11/32	11/32	5.40
5.70	6.10	6.45	2MBL64	2BK67H		6A	1/16	1 3/4	1 11/32	11/32	5.85
6.00	6.40	6.75	2MBL67	2BK70H		6A	1/16	1 3/4	1 11/32	11/32	5.55
6.20	6.60	6.95	2MBL69	-		6A	1/16	1 3/4	1 11/32	11/32	6.65
6.50	6.90	7.25	-			-	-	-	-	-	-
6.70	7.10	7.45	-			-	-	-	-	-	-
7.00	7.40	7.75	2MBL77	2BK80H		6A	1/16	1 3/4	1 11/32	11/32	6.85
7.50	7.90	8.25	-			-	-	-	-	-	-
8.00	8.40	8.75	2MBL87	2BK90H		6A	1/16	1 3/4	1 11/32	11/32	9.65
8.50	8.90	9.25	-			-	-	-	-	-	-
9.00	9.40	9.75	2MBL97	2BK100H		6A	1/16	1 3/4	1 11/32	11/32	9.20
9.50	9.90	10.25	-			-	-	-	-	-	-
10.00	10.40	10.75	2MBL107	2BK110H		6A	1/16	1 3/4	1 11/32	11/32	12.80
10.50	10.90	11.25	-			-	-	-	-	-	-
11.00	11.40	11.75	2MBL117	2BK120H		6A	1/16	1 3/4	1 11/32	11/32	14.65
12.00	12.40	12.75	2MBL127	2BK130H		6A	1/16	1 3/4	1 11/32	11/32	14.15
13.00	13.40	13.75	2MBL137	2BK140H		6A	1/16	1 3/4	1 11/32	11/32	14.95
15.00	15.40	15.75	2MBL157	2BK160H		6A	1/16	1 3/4	1 11/32	11/32	18.70
18.00	18.40	18.75	2MBL187	2BK190H		6A	1/16	1 3/4	1 11/32	11/32	24.20

P.D. for "A" (4L) Belts = Datum.Dia. + 0.35" = O.D. - 0.40"
P.D. for "B" (5L) Belts = O.D.

* Dimensions to closest fraction

CAUTION: DO NOT use these gray cast iron sheaves with rim speeds in excess of 6500 feet per minute. Note that the max. RPM indicated on the arm of the sheave is based on the 6500 ft/min. limit, and doesn't take into consideration the need for dynamic balancing (two planes). Please refer to page 31 to verify the validity of dynamic balancing in your application. All operational PT products when used in a drive are potentially dangerous and must be guarded by the user as required by applicable laws, regulations, standards and good safety practice. (Refer to ANSI Standard B15.1)

DIN Fittings

Typical Application: Used in applications to adapt connections made to DIN (Deutsche Industrie Norme) specifications to male SAE 37° flare.

Sealing Method: 3-piece flareless bite type or 60° cone, or 37° flare.

Vibration Rating: Fair resistance.

Material: Carbon steel – SAE 12L14

Plating: Bodies and sleeves – Zinc and Yellow Dichromate finish.
Nuts – Phosphate coating.

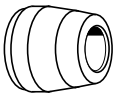
Advantages: Provides an adapter to convert a metric hose assembly to 37° SAE allowing the use of standard hose and end fittings. Can also be used in the repair of metric tubing.

Assembly: See page 267 for metric preset tool.

Metric Tube O.D.	6	8	10	12	14	15	16
Light	M12x1.5	M14x1.5	M16x1.5	M18x1.5	–	M22x1.5	–
Heavy	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	–	M24x1.5

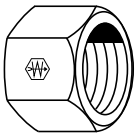
Metric Tube O.D.	18	20	22	25	28	30
Light	M26x1.5	–	M30x2.0	–	M36x2.0	–
Heavy	–	M30x2.0	–	M36x2.0	–	M42x2.0

Metric Flareless Sleeve



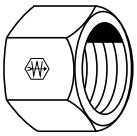
Tube O.D. (mm)		Catalog Number
6		7165x6MM
8		7165x8MM
10		7165x10MM
12		7165x12MM
14		7165x14MM
15		7165x15MM
16		7165x16MM
18		7165x18MM
20		7165x20MM
22		7165x22MM
25		7165x25MM
28		7165x28MM
30		7165x30MM
38		7165x38MM

Metric Flareless Nut Light Series (DIN 3901/3902L)



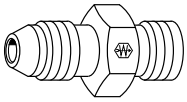
Tube O.D. (mm)	Metric Thread Size	Catalog Number
6	M12x1.5	ML7105x6
8	M14x1.5	ML7105x8
10	M16x1.5	ML7105x10
12	M18x1.5	ML7105x12
15	M22x1.5	ML7105x15
18	M26x1.5	ML7105x18
22	M30x2.0	ML7105x22
28	M36x2.0	ML7105x28

Metric Flareless Nut Heavy Series (DIN 3901/3902S)



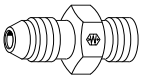
Tube O.D. (mm)	Metric Thread Size	Catalog Number
6	M14x1.5	MH7105x6
8	M16x1.5	MH7105x8
10	M18x1.5	MH7105x10
12	M20x1.5	MH7105x12
14	M22x1.5	MH7105x14
16	M24x1.5	MH7105x16
20	M30x2.0	MH7105x20
25	M36x2.0	MH7105x25
30	M42x2.0	MH7105x30
38	M52x2.0	MH7105x38

Male SAE 37° To 24° Metric Tube Seat (DIN 3901/3902L)



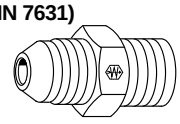
Tube O.D.	Metric Thread	Catalog Number
1/4	M12x1.5	MC5206x4x6
3/8	M14x1.5	MC5206x6x8
1/2	M16x1.5	MC5206x8x10
1/2	M18x1.5	MC5206x8x12
5/8	M22x1.5	MC5206x10x15
3/4	M26x1.5	MC5206x12x18

Male SAE 37° To 24° Metric Tube Seat (DIN 3901/3902S)



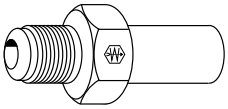
Tube O.D.	Metric Thread	Catalog Number
3/8	M14x1.5	MC5208x6x6
1/2	M18x1.5	MC5208x8x10
5/8	M22x1.5	MC5208x10x14
3/4	M24x1.5	MC5208x12x16

Male SAE 37° To 60° Metric Tube Seat (DIN 7631)



Tube O.D.	Metric Thread	Catalog Number
1/4	M12x1.5	MC5207x4x6
3/8	M14x1.5	MC5207x6x8
3/8	M16x1.5	MC5207x6x10
1/2	M18x1.5	MC5207x8x12
5/8	M22x1.5	MC5207x10x15
3/4	M26x1.5	MC5207x12x18

Male 37° to Male Metric Standpipe



Tube O.D.	Tube O.D. (MM)	Catalog Number
1/4	6MM	MC5019x4x6
1/4	8MM	MC5019x4x8
3/8	10MM	MC5019x6x10
1/2	12MM	MC5019x8x12
1/2	14MM	MC5019x8x14
5/8	15MM	MC5019x10x15
5/8	16MM	MC5019x10x16
3/4	16MM	MC5019x12x16
3/4	18MM	MC5019x12x18
3/4	20MM	MC5019x12x20
1	22MM	MC5019x16x22
1	25MM	MC5019x16x25

NOTE: Multiply millimeters (mm) by 0.03937 to obtain inches.

RELATED PROD

s.35 NPT high pressure

mini 1/8”-1/2” drawn brass ball valves

PATENTED

Features and Specifications:

* **Patent** n. 7011-B/89,
* **One piece** drawn sand blasted brass body with extremely compact design,
* **Approved by** Underwriters Laboratories (USA) to UL 207 Standard, Ympäristöministeriön Tyyppihyväksyntäpäätös (SF), Water Byelaws Scheme (UK),
* Finest brass according to **EN 12164** specification,
* Each valve is seal tested for **maximum safety**,
* Pure **PTFE** self-lubricating seats with flexible-lip design,
* Dual sealing system allows valve to be operated in either direction making **installation easier**,
* Chrome plated brass ball for **longer life**,
* **No metal-to-metal** moving parts,
* **No maintenance** ever required,
* **Blowout-proof** brass stem with Viton O-ring,
* Nylon black **wedge handle** removable with valve in service,
* Handle/stem clearly show **ball position**,
* **NPT taper ANSI B.1.20.1** Female by Female threads,
* **Silicone-free** lubricant,
* 450 PSI non-shock cold working **pressure**,
* -4°F +200°F **temperature**.

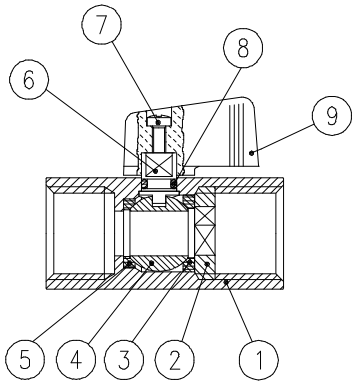
Options:

* **Male** by **Female** threads,
* **ISO 228** parallel threads,
* **Black or yellow** wedge handle**,**
* **Screw driver** or **wrench operated**.

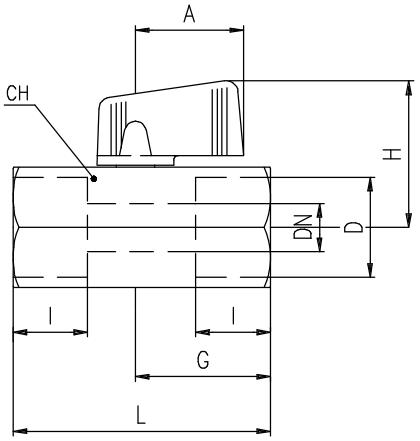
NOTE: Approvals apply to specific configurations only.

APPROVED BY

RUBINETTERIE UTENSILERIE BONOMI SRL
VIA PADANA SUPERIORE, 27/29 - FRAZ. CILIVERGHE, 25080 MAZZANO (BS) - ITALY
Fax+39 030 2629498
Phone+39 030 212441
http://www.rubvalves.com
email: sales.director@rubvalves.com



	PART DESCRIPTION	Material	Q.ty
1	Chrome plated body	CW614N RUB001	1
2	Retainer nut	CW614N RUB001	1
3	Retainer seat	Ptfe RUB008	1
4	Chrome plated ball	CW614N RUB001	1
5	Body seat	Ptfe RUB008	1
6	Unplated stem	CW614N RUB001	1
7	Zinc plated screw	Fe RUB003	1
8	Green O-Ring	Viton RUB009	1
9	Black handle	Nylon RUB007	1

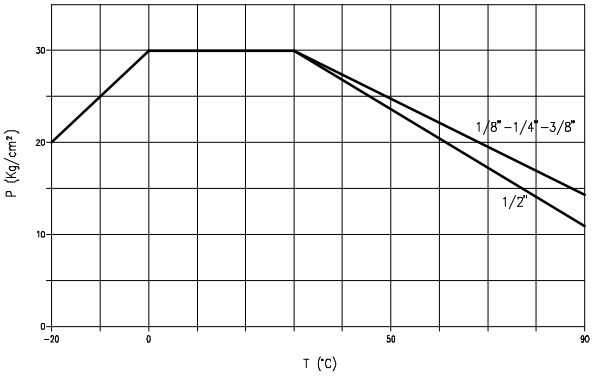


PATENTED

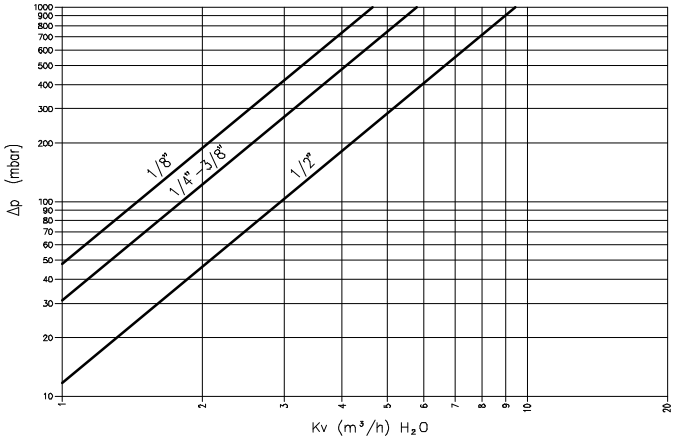
Code	S35AXØ	S35BXØ	S35CXØ	S35DXØ
D (inch)	1/8	1/4	3/8	1/2
DN(inch)	0.236	0.314	0.314	0.393
I (inch)	0.433	0.472	0.472	0.610
L (inch)	1.712	1.712	1.712	2.106
G (inch)	0.905	0.905	0.905	1.102
A (inch)	0.885	0.885	0.885	0.885
H (inch)	1.122	1.122	1.122	1.20
CH(inch)	0.826	0.826	0.826	0.984

DN shows the nominal flow diameter. For details on other configurations, ask our Service Center.

Pressure -Temperature chart



Pressure drop chart



*Ask for additional information on the whole range of **RuB** valves and consult with your supplier for special applications.*

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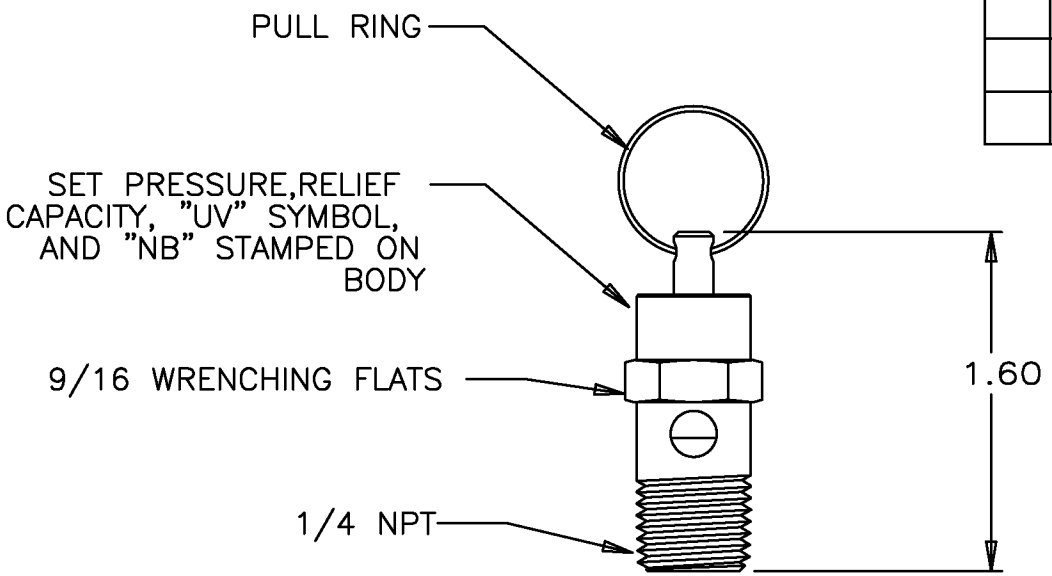
DATE	SYM	REVISION RECORD	ECN NO.	CK.
3/94	D	REDRAWN ON CAD		



NOTES

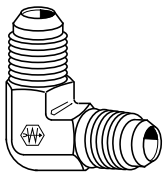
1. SET PRESSURE RANGE IS 75 PSI TO 250 PSI.
2. RELIEF CAPACITY IS GIVEN BY THE EQUATION
   Q = 0.276(1.1P + 14.7), WHERE
   Q = RELIEF CAPACITY IN SCFM, AND
   P = SET PRESSURE IN PSI
3. MATERIALS OF CONSTRUCTION
   BODY, ROD, SCREW--BRASS
   SPRING--STAINLESS STEEL
   PAD--FLUOROCARBON
   PULL RING--STAINLESS STEEL
4. MAX TEMPERATURE 250° F

ALL DIMENSIONS ARE IN INCHES.

TOLERANCES (EXCEPT AS NOTED)	control devices inc. 711 HANLEY INDUSTRIAL COURT ST. LOUIS, MISSOURI 63144			
DECIMAL ±	MATERIAL	SCALE FULL	SIZE A	DRAWN BY RMH
FRACTIONAL ±				APPROVED BY
ANGULAR ±	TITLE VALVE, ASME SAFETY, 1/4 NPT			
DATE 1/15/91	CAD FILE C:\ACADWIN\PARTDWGS\SP25.DWG	DRAWING NUMBER SP25		REV D

SAE 37° Flare-Twin®

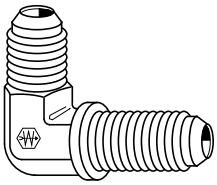
90° Union Elbow
(Ref. SAE No. 070201)
(Ref. MS51505)
Assembly Number C35505x4, etc.

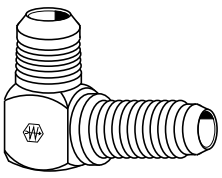


*5517x
[1]Special order only.

Tube O.D.	Catalog Number
1/4	C5505x4
5/16	C5505x5[1]
3/8	C5505x6
1/2	C5505x8
5/8	C5505x10
3/4	C5505x12
1	C5505x16
1-1/4	C5505x20[1]
1-1/2	C5505x24[1]
1/4	TF5505x4
5/16	TF5505x5
3/8	TF5505x6
1/2	TF5505x8
5/8	TF5505x10
3/4	TF5505x12
7/8	TF5505x14
1	TF5505x16
1-1/4	TF5505x20
1-1/2	TF5505x24
2	TF5505x32

Bulkhead Union Elbow
(Ref. SAE No. 070701)
(Ref. MS51507)
Assembly Number C35525x4, etc.

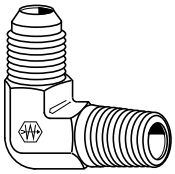




For bulkhead nut see page 174. Included with assembly. *5537x
[1]Special order only.

Tube O.D.	Catalog Number
1/4	C5525x4
5/16	C5525x5[1]
3/8	C5525x6
1/2	C5525x8
5/8	C5525x10[1]
3/4	C5525x12
1	C5525x16
1-1/4	C5525x20
1/4	TF5525x4
5/16	TF5525x5
3/8	TF5525x6
1/2	TF5525x8
5/8	TF5525x10
3/4	TF5525x12
1	TF5525x16

90° Male Elbow
(Ref. SAE No. 070202)
(Ref. MS51504)
Assembly Number C35405x4, etc.



*5417x
[1]Special order only.

Tube O.D.	Male Pipe Thread	Catalog Number
1/8	1/8	C5405x2
3/16	1/8	C5405x3
1/4	1/8	C5405x4
1/4	1/4	C5405x4x4
5/16	1/8	C5405x5
5/16	1/4	C5405x5x4
3/8	1/8	C5405x6x2
3/8	1/4	C5405x6
3/8	3/8	C5405x6x6
3/8	1/2	C5405x6x8
1/2	1/4	C5405x8x4
1/2	3/8	C5405x8
1/2	1/2	C5405x8x8
1/2	3/4	C5405x8x12
5/8	3/8	C5405x10x6
5/8	1/2	C5405x10
5/8	3/4	C5405x10x12
3/4	1/2	C5405x12x8
3/4	3/4	C5405x12
7/8	3/4	C5405x14[1]
1	3/4	C5405x16x12
1	1	C5405x16
1-1/4	1	C5405x20x16
1-1/4	1-1/4	C5405x20
1-1/2	1-1/2	C5405x24
2	2	C5405x32
1/4	1/8	TF5405x4
1/4	1/4	TF5405x4x4
1/4	3/8	TF5405x4x6
1/4	1/2	TF5405x4x8
5/16	1/8	TF5405x5
5/16	1/4	TF5405x5x4
5/16	3/8	TF5405x5x6
3/8	1/4	TF5405x6
3/8	1/8	TF5405x6x2
3/8	3/8	TF5405x6x6
3/8	1/2	TF5405x6x8
3/8	3/4	TF5405x6x12
1/2	1/4	TF5405x8x4
1/2	3/8	TF5405x8
1/2	1/2	TF5405x8x8
1/2	3/4	TF5405x8x12
5/8	3/8	TF5405x10x6
5/8	1/2	TF5405x10
5/8	3/4	TF5405x10x12
3/4	1/2	TF5405x12x8
3/4	3/4	TF5405x12
3/4	1	TF5405x12x16
7/8	3/4	TF5405x14
1	3/4	TF5405x16x12
1	1	TF5405x16
1	1-1/4	TF5405x16x20
1-1/4	1	TF5405x20x16
1-1/4	1-1/4	TF5405x20
1-1/4	1-1/2	TF5405x20x24
1-1/2	1-1/4	TF5405x24x20
1-1/2	1-1/2	TF5405x24
2	2	TF5405x32

*Stainless steel catalog number. All fittings with a TF prefix: do not meet MS standards; are of brazed construction.